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HEAT TRANSFER AND THERMAL STABILITY OF ALTERNATIVE
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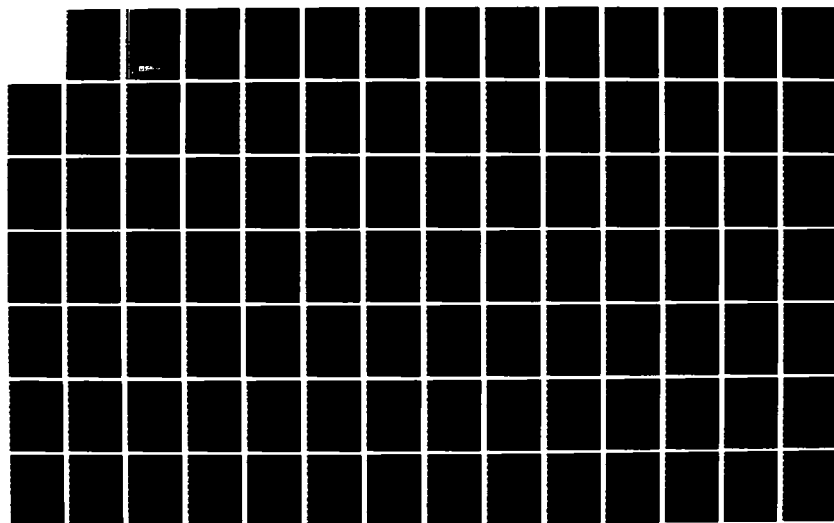
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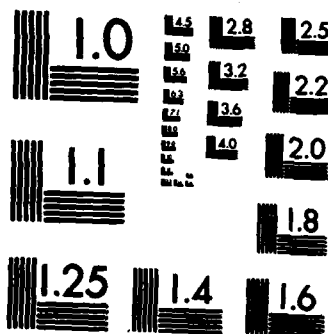
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HEAT TRANSFER AND THERMAL STABILITY OF ALTERNATIVE AIRCRAFT FUELS

VOLUME II - APPENDICES

FINAL REPORT NOVEMBER 1983

By
J. A. TeVelde
M. R. Glickstein

Prepared for:
Naval Air Propulsion Center
Under Contract N00140-80-C-0097, Lot III

Naval Air Propulsion Center
Trenton, New Jersey 08628

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A test and evaluation program was conducted to determine the heat transfer and thermal stability characteristics of several selected alternative fuels. Accelerated fuel coking tests were conducted with three alternative fuels and a specification grade JP-5 fuel, in a heated tube apparatus. Test conditions included both simulated engine conditions and higher-temperature accelerated coking conditions. Resulting deposit rates were evaluated and correlated as a function of the test conditions. Deposit effects on heat transfer were also evaluated and correlated as a function of test condition.		

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FOREWORD

This final report is submitted by the United Technologies Corporation, Pratt & Whitney Aircraft Group, Government Products Division, located in Palm Beach County, Florida. The work was conducted under Contract No. N00140-80-C-0097, Lot III, for the Naval Air Propulsion Center, Trenton, New Jersey. This report documents work conducted during the period 1 January 1982 to 1 February 1983. Mr. R.J. Delfosse is the Navy Program Manager and Mr. W. Feltz is the P&WA Program Manager.

This report, P&WA/GPD/FR-17404 and NACP-PE-87C, is issued in two volumes. Volume I contains the main report. Volume II contains Appendices A and B which are supporting data.

Experimental fuel studies, post-test analysis of heated tube specimens, and analysis of test data were performed at the United Technologies Research Center, East Hartford, Connecticut by Mr. J. A. TeVelde. Additional analysis and correlation of the test data was performed at the Government Products Division by Dr. M. R. Glickstein.

The authors wish to acknowledge the valuable contributions of Mr. C.J. Nowack of NAPC, and the assistance of the following individuals:

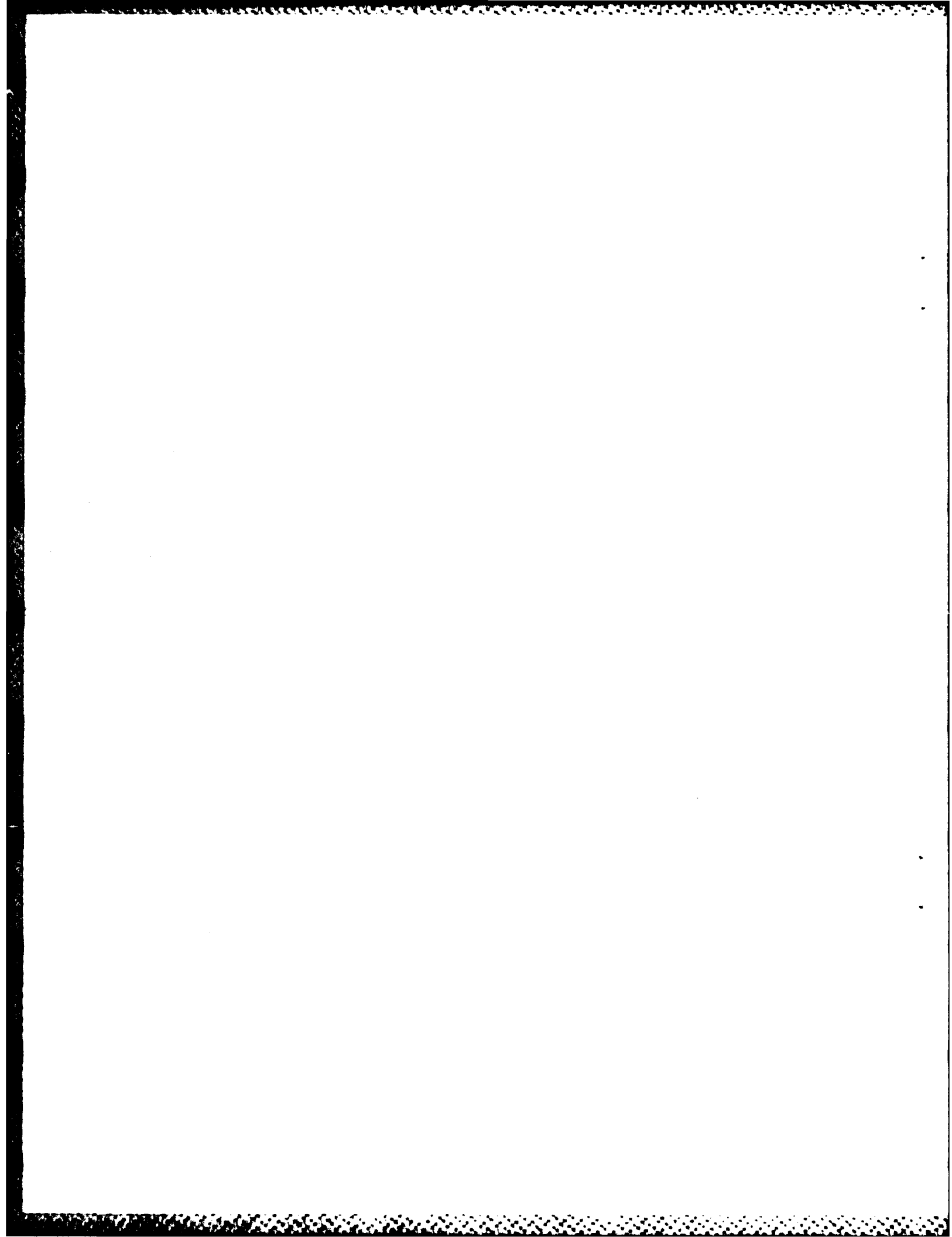
Dr. L.J. Spadaccini for management of the URTC program, and Mr. E.J. Szetela of UTRC for invaluable technical advice in planning and conducting the program, and in subsequent data evaluation. Also, from the Government Products Division, the authors would like to thank Mr. S.A. Mosier, Technology Manager, for his help and advice in planning and conducting the program.



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APPENDIX A
TABULATED DEPOSIT DATA

<i>Run</i>	<i>Fuel</i>	<i>Test Duration (hr)</i>	<i>Initial Wall Temperature (°F)</i>	<i>Section Surface Area (cm²)</i>	<i>Deposit Weight (mg)</i>	<i>Deposit Rate (μ/cm²-hr)</i>
1	NAPC Supplied JP-5	19.5	575	3.446	3.990	59
			595		17.056	254
			615		34.536	514
			640		47.503	707
			690		39.885	594
			740		58.055	834
			765		27.761	413
			795		15.211	226
			850		6.153	92
			870		0.285	4
			935		0.634	9
2	NAPC Supplied JP-5	19	550	3.446	7.775	119
			575		28.383	403
			605		53.061	811
			640		70.866	1083
			680		42.392	648
			735		60.302	921
			755		44.398	678
			790		22.635	346
			815		5.368	82
			850		1.183	18
			880		1.823	28
			920		0.800	12
			955		0.738	11
3	Stressed Fuel from Run 2	19	565	3.446	1.111	17
			590		4.820	74
			630		7.173	110
			680		15.020	229
			730		19.003	290
			760		24.852	380
			790		19.712	301
			810		17.287	264
			860		1.071	16
			890		0.708	11
			920		0.810	12
			950		0.114	2
4	P&WA Supplied JP-5	14	565	3.446	22.549	487
			590		64.215	1331
			625		108.652	2252
			670		87.263	1810
			720		64.344	1335
			760		58.059	1204
			790		45.679	947
			830		28.943	600
			870		4.576	95
			895		1.770	37
			930		38.269	793
			965		1.435	30

<i>Run</i>	<i>Fuel</i>	<i>Test Duration (hr)</i>	<i>Initial Well Temperature (°F)</i>	<i>Section Surface Area (cm²)</i>	<i>Deposit Weight (mg)</i>	<i>Deposit Rate (µ/cm²-hr)</i>
5	P&WA Supplied JP-5	14	545	3.446	16.347	339
			570		25.850	536
			580		36.107	749
			600		71.057	1473
			640		99.891	2071
			700		100.678	2067
			740		44.204	916
			780		21.995	456
			820		38.924	807
			850		2.968	62
			880		1.723	36
			905		1.439	30
			935		1.142	24
6	P&WA Supplied JP-5	10.5	535	3.446	3.547	98
			575		7.453	206
			600		25.725	711
			630		46.203	1277
			680		46.302	1280
			720		96.565	2669
			770		71.392	1973
			800		19.139	529
			840		7.485	207
			885		2.212	61
			910		1.268	35
			940		1.236	34
7	P&WA Supplied JP-5	1.2	540	3.446	0.177	44
			565		0.264	66
			590		0.327	81
			605		3.237	805
			730		12.438	3094
			760		7.898	1965
			780		6.197	1541
			815		1.453	361
			840		0.094	23
			895		0.153	38
			935		0.197	49
			965		0.063	21
8	P&WA Supplied JP-5	18	570	3.446	29.509	476
			595		45.985	741
			610		66.585	1074
			645		90.931	1466
			700		118.210	1096
			740		174.470	2813
			770		120.370	1940
			795		72.609	1711
			835		16.614	268
			860		6.448	104
			890		4.529	73
			925		2.961	47
			965		1.388	22

<i>Run</i>	<i>Fuel</i>	<i>Test Duration (hr)</i>	<i>Initial Wall Temperature (°F)</i>	<i>Section Surface Area (cm²)</i>	<i>Deposit Weight (mg)</i>	<i>Deposit Rate (μ/cm²-hr)</i>
9	P&WA Supplied JP-5	10	530	3.446	1.943	56
			565		12.957	376
			595		32.719	950
			630		64.519	1872
			680		44.546	1293
			730		51.626	1498
			755		54.780	1590
			785		9.295	270
			825		7.284	211
			865		0.755	22
			885		0.823	24
			915		0.855	25
			955		0.763	22
10	P&WA Supplied JP-5	8	525	3.446	1.181	43
			550		5.347	194
			575		12.062	438
			615		23.019	835
			655		12.062	438
			710		33.935	1231
			750		43.226	1568
			775		18.007	653
			810		3.051	111
			850		0.858	31
			880		0.906	33
			910		0.859	31
			940		0.883	32
11	NAPC-7	5	545	3.446	0.065	4
			585		0.129	8
			615		2.831	164
			645		8.361	485
			690		12.828	745
			725		12.611	732
			755		18.702	1085
			780		9.120	529
			815		1.798	104
			850		0.978	57
			870		0.212	12
			890		0.540	31
12	NAPC-7	5	575	3.446	0.073	4
			590		0.103	6
			615		1.788	104
			640		8.644	502
			690		12.411	720
			740		17.850	1036
			760		16.524	959
			790		6.330	379
			825		1.270	74
			860		0.249	14
			885		0.194	11
			905		0.153	9
			945		0.059	3

<i>Run</i>	<i>Fuel</i>	<i>Test Duration (hr)</i>	<i>Initial Wall Temperature (°F)</i>	<i>Section Surface Area (cm²)</i>	<i>Deposit Weight (mg)</i>	<i>Deposit Rate (µ/cm²-hr)</i>
15	NAPC-7	5	430	3.446	0.199	12
			450		0.171	10
			485		0.144	8
			485		0.196	11
			520		0.040	2
			550		1.425	83
			570		3.694	214
			600		6.239	362
			635		10.634	617
			670		17.514	1017
			695		20.360	1182
			720		13.341	774
			760		3.811	221
16	NAPC-7	5	575	3.446	0.094	5
			610		0.111	6
			640		9.378	544
			685		23.081	1340
			730		19.609	1138
			770		21.645	1256
			790		27.382	1589
			840		6.421	373
			870		2.507	145
			895		0.607	35
			920		0.389	23
			960		0.631	37
17	NAPC-7	10	590	3.446	3.922	114
			615		18.215	529
			645		33.172	963
			690		27.580	800
			725		43.327	1258
			755		70.433	2044
			785		15.373	446
			820		1.029	30
			840		0.537	16
			880		0.466	14
			905		0.307	9
			940		0.593	34
18	NAPC-7	5	550	3.446	0.844	49
			575		1.735	101
			610		5.744	333
			655		15.046	873
			700		19.953	1158
			730		20.013	1162
			760		6.802	395
			805		2.888	168
			845		0.293	17
			875		0.179	10
			945		0.296	17

<i>Run</i>	<i>Fuel</i>	<i>Test Duration (hr)</i>	<i>Initial Wall Temperature (°F)</i>	<i>Section Surface Area (cm²)</i>	<i>Deposit Weight (mg)</i>	<i>Deposit Rate (μ/cm²-hr)</i>
19	NAPC-7	4.75	730	2.584	13.900	1132
			750		17.088	1392
			765		19.273	1570
			780		20.492	1669
			800		18.068	1471
			815		16.015	1305
			835		13.457	1096
			855		6.262	510
			870		3.492	285
			895		2.735	223
			910		0.950	77
			930		1.026	84
20	NAPC-11	5	590	3.446	7.108	413
			620		15.524	901
			650		48.271	2802
			690		43.687	2536
			740		54.715	3176
			760		44.748	2597
			790		43.605	2531
			825		43.983	2553
			860		31.522	1830
			885		28.496	1654
			910		19.350	1123
			945		11.330	658
21	NAPC-11	5	455	3.446	0.187	11
			465		0.390	22
			485		0.314	18
			520		0.747	43
			555		3.287	191
			575		9.139	530
			600		16.291	946
			640		26.246	1524
			675		34.272	1989
			700		36.479	2117
			725		45.157	2621
			760		7.423	431
22	NAPC-11	5	350	3.446	0.110	6
			360		0.132	8
			370		0.148	9
			390		0.104	6
			415		0.076	4
			430		0.148	9
			445		0.259	15
			470		0.228	13
			495		0.534	31
			510		0.922	53
			530		1.445	84
			560		3.526	204

<i>Run</i>	<i>Fuel</i>	<i>Test Duration (hr)</i>	<i>Initial Wall Temperature (°F)</i>	<i>Section Surface Area (cm²)</i>	<i>Deposit Weight (mg)</i>	<i>Deposit Rate (μ/cm²-hr)</i>
23	NAPC-11	4	435	3.446	0.085	6
			450		0.153	11
			470		0.125	9
			505		0.386	28
			540		2.042	148
			560		3.679	267
			585		9.747	707
			620		19.883	1443
			660		23.772	1725
			685		41.748	3029
			710		34.973	2538
			750		39.019	2831
24	NAPC-11	1	475	3.446	0.137	40
			490		0.154	45
			510		0.115	33
			535		0.208	60
			570		0.324	94
			590		0.529	153
			630		0.910	264
			650		3.084	895
			710		8.329	2417
			730		3.051	885
25	NAPC-11	5	560	2.584	0.932	72
			565		0.770	60
			575		1.176	91
			585		1.588	123
			605		5.469	423
			615		9.310	720
			645		13.116	1015
			660		16.887	1307
			675		19.261	1491
			690		25.315	1959
			710		26.522	2053
			720		36.918	2857
26	NAPC-14	5	740		45.030	3485
			440	3.446	0.189	11
			460		0.419	24
			485		0.137	8
			525		0.182	11
			565		0.178	10
			590		0.090	5
			615		0.132	8
			650		0.656	38
			685		4.201	244
			705		5.298	308
			730		12.995	754
			760		9.504	552

Run	Fuel	Test Duration (hr)	Initial Wall Temperature (°F)	Section Surface Area (cm ²)	Deposit Weight (mg)	Deposit Rate (μ/cm ² -hr)
27	NAPC-14	5	320	3.446	0.194	11
			335		0.147	8
			370		0.163	9
			400		0.111	6
			415		0.070	4
			435		0.111	6
			460		0.085	5
			490		0.066	4
			510		0.490	28
			530		0.256	15
			560		0.325	19
28	NAPC-14	1	460	3.446	0.085	25
			480		0.054	16
			520		0.138	40
			550		0.104	31
			575		0.107	31
			640		0.170	49
			680		0.331	96
			700		1.120	325
			725		1.881	546
			770		1.200	348
29	NAPC-14	3.5	425	3.446	0.073	6
			445		0.108	9
			470		0.086	7
			510		0.116	10
			545		0.177	15
			565		0.166	14
			590		0.263	22
			620		0.230	19
			655		0.661	55
			680		0.925	77
			700		1.452	120
			740		10.397	862
30	NAPC-14	5	550	2.584	0.082	6
			580		0.127	10
			640		0.116	9
			670		0.257	20
			705		0.258	20
			715		0.455	35

APPENDIX B
TABULATED EXPERIMENTAL DATA

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 1 MAY 6, 1982

TIME MIN		.000	1.000+002	3.000+002	5.400+002	7.200+002	9.000+002	1.080+003	1.170+003
THALL @ 1.125 INCHES	DEG F	6.670+002	6.660+002	6.330+002	6.760+002	6.670+002	6.640+002	6.770+002	6.640+002
THALL @ 2.5 INCHES	DEG F	8.920+002	8.810+002	8.230+002	9.190+002	8.990+002	8.620+002	8.750+002	8.790+002
THALL @ 4.125 INCHES	DEG F	9.700+002	8.940+002	8.240+002	8.990+002	9.490+002	8.990+002	9.300+002	9.510+002
THALL @ 5.5 INCHES	DEG F	8.530+002	8.160+002	8.580+002	8.790+002	9.680+002	1.008+003	9.690+002	9.310+002
THALL @ 7.0 INCHES	DEG F	7.440+002	7.130+002	7.870+002	7.130+002	7.060+002	7.070+002	6.440+002	6.240+002
THALL @ 8.5 INCHES	DEG F	6.620+002	6.090+002	6.710+002	5.940+002	5.610+002	5.630+002	5.700+002	5.730+002
THALL @ 10.125 INCHES	DEG F	6.190+002	5.810+002	6.100+002	5.940+002	5.760+002	5.860+002	6.030+002	6.030+002
THALL @ 12.625 INCHES	DEG F	5.690+002	5.650+002	5.770+002	5.760+002	5.600+002	5.580+002	5.560+002	5.510+002
THALL @ 15.0 INCHES	DEG F	5.540+002	5.560+002	5.740+002	5.720+002	5.690+002	5.650+002	5.680+002	5.670+002
THALL @ 17.125 INCHES	DEG F	5.460+002	5.580+002	5.710+002	5.720+002	5.690+002	5.650+002	5.680+002	5.670+002
THALL @ 20.0 INCHES	DEG F	5.550+002	5.640+002	5.770+002	5.800+002	5.790+002	5.760+002	5.800+002	5.840+002
THALL @ 22.625 INCHES	DEG F	5.630+002	5.780+002	6.010+002	6.040+002	6.020+002	6.010+002	6.150+002	6.220+002
THALL @ 25.25 INCHES	DEG F	5.600+002	5.740+002	5.980+002	5.980+002	6.010+002	6.020+002	6.170+002	6.310+002
THALL @ 28.75 INCHES	DEG F	5.940+002	6.170+002	6.410+002	6.450+002	6.300+002	6.850+002	7.870+002	7.270+002
THALL @ 32.5 INCHES	DEG F	6.210+002	6.480+002	6.970+002	7.300+002	7.600+002	7.910+002	8.240+002	8.510+002
THALL @ 35.0 INCHES	DEG F	6.460+002	6.840+002	7.420+002	7.800+002	8.200+002	8.640+002	9.000+002	9.230+002
THALL @ 37.5 INCHES	DEG F	6.680+002	6.920+002	7.640+002	7.730+002	8.010+002	8.280+002	8.500+002	8.790+002
THALL @ 43.0 INCHES	DEG F	6.930+002	7.190+002	7.760+002	7.930+002	8.430+002	8.700+002	9.160+002	9.340+002
THALL @ 46.75 INCHES	DEG F	7.210+002	7.600+002	8.300+002	8.550+002	9.040+002	9.320+002	9.940+002	1.026+003
THALL @ 49.5 INCHES	DEG F	7.310+002	7.940+002	8.920+002	9.250+002	9.650+002	9.790+002	1.003+003	1.028+003
THALL @ 53.25 INCHES	DEG F	7.760+002	8.110+002	1.058+003	1.124+003	1.113+003	1.196+003	1.197+003	1.193+003
THALL @ 57.0 INCHES	DEG F	7.680+002	8.620+002	9.770+002	1.039+003	1.183+003	1.152+003	1.182+003	1.197+003
THALL @ 60.25 INCHES	DEG F	7.910+002	8.550+002	9.790+002	1.057+003	1.142+003	1.169+003	1.219+003	1.231+003
THALL @ 64.125 INCHES	DEG F	8.090+002	8.630+002	9.880+002	1.034+003	1.085+003	8.930+002	9.920+002	1.049+003
THALL @ 67.375 INCHES	DEG F	8.220+002	8.830+002	9.700+002	9.590+002	9.340+002	1.021+003	1.093+003	1.108+003
THALL @ 71.0 INCHES	DEG F	8.440+002	9.560+002	9.500+002	9.420+002	9.410+002	1.010+003	9.890+002	1.038+003
THALL @ 74.125 INCHES	DEG F	8.530+002	8.930+002	9.260+002	9.390+002	9.580+002	9.690+002	9.770+002	9.870+002
THALL @ 78.0 INCHES	DEG F	8.810+002	9.110+002	9.340+002	9.300+002	9.610+002	9.660+002	9.700+002	9.650+002
THALL @ 81.5 INCHES	DEG F	9.010+002	9.300+002	9.520+002	9.400+002	9.710+002	9.660+002	9.690+002	9.710+002
THALL @ 85.0 INCHES	DEG F	9.110+002	9.330+002	9.590+002	9.330+002	9.430+002	9.740+002	9.660+002	9.770+002
THALL @ 88.5 INCHES	DEG F	9.360+002	9.480+002	9.500+002	9.740+002	9.850+002	1.003+003	1.000+003	1.001+003
THALL @ 91.75 INCHES	DEG F	9.470+002	9.610+002	9.830+002	9.900+002	1.002+003	1.018+003	1.017+003	1.016+003
THALL @ 95.0 INCHES	DEG F	8.250+002	9.810+002	1.066+003	1.014+003	1.026+003	1.041+003	1.049+003	1.043+003
FUEL PRES @ 0.0 INCHES PSIG		4.261+002	4.346+002	4.409+002	4.299+002	4.315+002	4.329+002	4.260+002	4.260+002
FUEL PRES @ 24.0 INCHES PSIG		4.232+002	4.318+002	4.378+002	4.269+002	4.263+002	4.274+002	4.224+002	4.226+002
FUEL PRES @ 49.0 INCHES PSIG		4.214+002	4.301+002	4.361+002	4.253+002	4.263+002	4.274+002	4.200+002	4.199+002
FUEL PRES @ 72.0 INCHES PSIG		4.184+002	4.251+002	4.333+002	4.186+002	4.193+002	4.193+002	4.094+002	4.091+002
FUEL PRES @ 96.0 INCHES PSIG		4.023+002	4.085+002	4.122+002	4.058+002	4.063+002	4.064+002	3.980+002	3.973+002
FUEL INLET TEMP		7.600+001	8.800+001	9.000+001	8.900+001	8.800+001	8.000+001	9.000+001	9.200+001
FUEL TEMP @ 24.0 INCHES		3.790+002	3.810+002	3.000+002	3.780+002	3.780+002	3.770+002	3.750+002	3.790+002
FUEL TEMP @ 48.0 INCHES		5.780+002	5.770+002	5.790+002	5.800+002	5.830+002	5.880+002	5.870+002	5.930+002
FUEL TEMP @ 72.0 INCHES		7.580+002	5.790+002	7.710+002	7.710+002	7.740+002	7.810+002	7.780+002	7.870+002
FUEL TEMP @ 96.0 INCHES		8.980+002	9.030+002	8.920+002	7.710+002	8.930+002	8.910+002	8.990+002	8.990+002
FLOW RATE LB/HR		4.372+001	4.471+001	4.766+001	4.451+001	4.572+001	4.474+001	4.477+001	4.398+001
CURRENT AMPS		1.126+002	1.091+002	1.104+002	1.094+002	1.071+002	1.075+002	1.078+002	1.067+002
VOLTAGE VOLTS		6.634+001	6.507+001	6.610+001	6.562+001	6.449+001	6.469+001	6.558+001	6.520+001
POWER BHP		7.031+000	6.726+000	6.923+000	6.746+000	6.547+000	6.611+000	6.704+000	6.596+000
FUEL		3.278+001	3.778+001	3.832+001	3.733+001	3.677+001	3.714+001	3.766+001	3.705+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 1 MAY 6, 1962

TIME MIN	.000	1.800+002	3.600+002	5.400+002	7.200+002	9.000+002	1.080+003	1.170+003
REYNOLDS NUMBER @ 0.0 INCHES	1.710+003	1.740+003	1.864+003	1.741+003	1.708+003	1.749+003	1.751+003	1.720+003
REYNOLDS NUMBER @ 12.0 INCHES	5.625+003	5.956+003	6.349+003	5.930+003	6.092+003	5.960+003	5.965+003	5.859+003
REYNOLDS NUMBER @ 36.0 INCHES	1.520+004	1.555+004	1.657+004	1.546+004	1.590+004	1.556+004	1.557+004	1.529+004
REYNOLDS NUMBER @ 60.0 INCHES	2.785+004	2.849+004	3.037+004	2.837+004	2.914+004	2.851+004	2.853+004	2.803+004
REYNOLDS NUMBER @ 84.0 INCHES	1.397+005	1.429+005	1.523+005	1.422+005	1.461+005	1.431+005	1.431+005	1.405+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.213-002	1.092-002	1.070-002	1.169-002	1.126-002	1.293-002	1.406-002	1.359-002
FRICTION FACTOR @ 36.0 INCHES	6.082-003	5.924-003	5.083-003	5.415-003	6.985-003	7.170-003	8.046-003	9.491-003
FRICTION FACTOR @ 60.0 INCHES	8.690-003	1.376-002	6.756-003	1.833-002	1.711-002	2.254-002	2.932-002	3.076-002
FRICTION FACTOR @ 84.0 INCHES	1.863-002	1.831-002	1.975-002	1.440-002	1.434-002	1.420-002	1.259-002	1.353-002
U @ 1.125 IN. BTU/FT2-SEC-F	6.896-002	6.562-002	7.164-002	6.469-002	6.376-002	6.472-002	6.417-002	6.457-002
U @ 2.5 IN. BTU/FT2-SEC-F	5.071-002	4.885-002	5.435-002	4.670-002	4.646-002	4.922-002	4.907-002	4.803-002
U @ 4.125 IN. BTU/FT2-SEC-F	4.724-002	4.933-002	5.508-002	4.915-002	4.480-002	4.817-002	4.696-002	4.502-002
U @ 5.5 IN. BTU/FT2-SEC-F	5.622-002	5.634-002	5.457-002	5.166-002	4.471-002	4.305-002	4.572-002	4.717-002
U @ 7.0 IN. BTU/FT2-SEC-F	6.862-002	6.887-002	6.226-002	6.907-002	6.790-002	6.844-002	7.851-002	8.061-002
U @ 10.125 IN. BTU/FT2-SEC-F	9.581-002	1.002-001	9.574-002	9.712-002	9.881-002	9.717-002	9.433-002	9.282-002
U @ 12.625 IN. BTU/FT2-SEC-F	1.192-001	1.146-001	1.138-001	1.112-001	1.133-001	1.151-001	1.175-001	1.174-001
U @ 15.0 IN. BTU/FT2-SEC-F	1.378-001	1.300-001	1.280-001	1.236-001	1.211-001	1.239-001	1.244-001	1.228-001
U @ 17.125 IN. BTU/FT2-SEC-F	1.567-001	1.421-001	1.395-001	1.350-001	1.333-001	1.361-001	1.365-001	1.340-001
U @ 20.0 IN. BTU/FT2-SEC-F	1.756-001	1.604-001	1.565-001	1.507-001	1.468-001	1.500-001	1.497-001	1.450-001
U @ 22.625 IN. BTU/FT2-SEC-F	2.331-001	2.046-001	1.864-001	1.563-001	1.530-001	1.551-001	1.486-001	1.423-001
U @ 25.25 IN. BTU/FT2-SEC-F	2.375-001	1.902-001	1.746-001	1.616-001	1.738-001	1.746-001	1.654-001	1.533-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.319-001	1.903-001	1.571-001	1.351-001	1.184-001	1.087-001	1.005-001	9.228-002
U @ 32.5 IN. BTU/FT2-SEC-F	2.479-001	2.048-001	1.644-001	1.427-001	1.253-001	1.159-001	1.074-001	9.974-002
U @ 35.0 IN. BTU/FT2-SEC-F	2.375-001	1.839-001	1.476-001	1.257-001	1.077-001	9.633-002	8.934-002	8.336-002
U @ 39.5 IN. BTU/FT2-SEC-F	2.479-001	2.048-001	1.644-001	1.427-001	1.253-001	1.159-001	1.074-001	9.974-002
U @ 43.0 IN. BTU/FT2-SEC-F	2.542-001	2.071-001	1.624-001	1.449-001	1.200-001	1.114-001	9.924-002	9.322-002
U @ 46.75 IN. BTU/FT2-SEC-F	2.594-001	1.964-001	1.482-001	1.316-001	1.093-001	1.019-001	8.832-002	8.083-002
U @ 49.5 IN. BTU/FT2-SEC-F	2.806-001	1.845-001	1.284-001	1.129-001	9.787-002	9.528-002	9.101-002	8.445-002
U @ 53.25 IN. BTU/FT2-SEC-F	2.508-001	1.287-001	8.825-002	7.479-002	6.479-002	6.418-002	6.497-002	6.437-002
U @ 57.0 IN. BTU/FT2-SEC-F	2.791-001	1.745-001	1.166-001	9.630-002	7.866-002	7.332-002	7.019-002	6.718-002
U @ 60.25 IN. BTU/FT2-SEC-F	3.264-001	2.041-001	1.259-001	9.789-002	7.789-002	7.154-002	6.857-002	6.603-002
U @ 64.125 IN. BTU/FT2-SEC-F	3.614-001	2.303-001	1.355-001	1.131-001	9.525-002	7.154-002	1.285-001	1.050-001
U @ 67.375 IN. BTU/FT2-SEC-F	4.030-001	2.366-001	1.576-001	1.608-001	1.745-001	1.247-001	1.019-001	9.632-002
U @ 71.0 IN. BTU/FT2-SEC-F	4.254-001	1.839-001	1.999-001	1.979-001	1.930-001	1.431-001	1.579-001	1.289-001
U @ 74.125 IN. BTU/FT2-SEC-F	4.215-001	3.082-001	2.499-001	2.247-001	1.960-001	1.870-001	1.823-001	1.711-001
U @ 78.0 IN. BTU/FT2-SEC-F	4.520-001	3.202-001	2.758-001	2.766-001	2.189-001	2.147-001	2.127-001	2.154-001
U @ 81.5 IN. BTU/FT2-SEC-F	4.541-001	3.241-001	2.806-001	2.993-001	2.334-001	2.434-001	2.420-001	2.351-001
U @ 85.0 IN. BTU/FT2-SEC-F	5.155-001	3.610-001	3.107-001	3.021-001	3.369-001	2.649-001	2.849-001	2.588-001
U @ 88.5 IN. BTU/FT2-SEC-F	4.656-001	4.030-001	3.748-001	3.166-001	2.813-001	2.497-001	2.564-001	2.525-001
U @ 91.75 IN. BTU/FT2-SEC-F	5.370-001	4.304-001	3.542-001	3.244-001	2.855-001	2.565-001	2.619-001	2.595-001
U @ 95.0 IN. BTU/FT2-SEC-F	-5.922-001	4.253-001	3.414-001	3.110-001	2.748-001	2.425-001	2.401-001	2.456-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 1 MAY 6, 1982

TIME	MIN	.000	1.000+002	3.000+002	5.400+002	7.200+002	9.000+002	1.000+003	1.170+003
THK	3 1.125 INCHES	.000	2.954-001	-2.172-001	3.833-001	4.735-001	3.800-001	4.320-001	3.941-001
THK	3 2.5 INCHES	.000	2.997-001	-5.295-001	6.771-001	7.201-001	2.376-001	2.635-001	4.397-001
THK	3 4.125 INCHES	.000	-3.500-001	-1.308+000	-3.287-001	4.627-001	-1.629-001	5.178-002	4.174-001
THK	3 5.5 INCHES	.000	-1.635-002	2.140-001	6.201-001	1.832+000	2.175+000	1.633+000	1.365+000
THK	3 7.0 INCHES	.000	-2.070-002	5.961-001	-3.756-002	6.249-002	1.578-002	-7.341-001	-0.669-001
THK	3 8.5 INCHES	.000	-3.072-001	2.026-001	-4.786-001	7.050-001	-7.242-001	-7.063-001	-6.069-001
THK	3 10.125 INCHES	.000	-1.021-001	2.030-003	-5.641-002	-1.269-001	-5.068-002	6.510-002	1.342-001
THK	3 12.625 INCHES	.000	1.346-001	1.590-001	2.406-001	1.760-001	1.200-001	5.079-002	5.234-002
THK	3 15.0 INCHES	.000	1.743-001	2.720-001	3.343-001	4.001-001	3.240-001	3.121-001	3.537-001
THK	3 17.125 INCHES	.000	2.617-001	3.155-001	4.013-001	4.476-001	3.861-001	3.774-001	4.144-001
THK	3 20.0 INCHES	.000	2.154-001	2.783-001	3.771-001	4.470-001	3.081-001	3.938-001	4.005-001
THK	3 22.625 INCHES	.000	2.656-001	4.371-001	5.334-001	5.895-001	5.532-001	6.664-001	7.058-001
THK	3 25.25 INCHES	.000	2.367-001	4.301-001	4.064-001	5.860-001	5.744-001	7.021-001	0.927-001
THK	3 28.75 INCHES	.000	3.367-001	5.238-001	6.261-001	8.947-001	1.106+000	1.300+000	1.566+000
THK	3 32.5 INCHES	.000	3.768-001	0.212-001	1.236+000	1.653+000	1.954+000	2.253+000	2.610+000
THK	3 36.0 INCHES	.000	4.912-001	1.026+000	1.498+000	2.039+000	2.468+000	2.793+000	3.114+000
THK	3 39.5 INCHES	.000	3.592-001	0.186-001	1.189+000	1.578+000	1.638+000	2.109+000	2.397+000
THK	3 43.0 INCHES	.000	3.583-001	0.677-001	1.187+000	1.760+000	2.018+000	2.457+000	2.717+000
THK	3 46.75 INCHES	.000	4.942-001	1.156+000	1.502+000	2.116+000	2.382+000	2.987+000	3.406+000
THK	3 49.5 INCHES	.000	7.422-001	1.649+000	2.119+000	2.662+000	2.773+000	2.970+000	3.311+000
THK	3 53.25 INCHES	.000	1.513+000	2.937+000	3.753+000	4.579+000	4.637+000	4.562+000	4.619+000
THK	3 57.0 INCHES	.000	0.590-001	1.997+000	2.721+000	3.652+000	4.023+000	4.266+000	4.521+000
THK	3 60.25 INCHES	.000	7.418-001	1.962+000	2.068+000	3.917+000	4.374+000	4.615+000	4.840+000
THK	3 64.125 INCHES	.000	6.301-001	1.067+000	2.430+000	3.092+000	9.835-001	2.006+000	2.672+000
THK	3 67.375 INCHES	.000	6.982-001	1.545+000	1.496+000	1.299+000	2.214+000	2.935+000	3.161+000
THK	3 71.0 INCHES	.000	1.235+000	1.060+000	1.081+000	1.132+000	1.855+000	1.593+000	2.164+000
THK	3 74.125 INCHES	.000	4.673-001	7.699-001	9.491-001	1.210+000	1.309+000	1.364+000	1.508+000
THK	3 78.0 INCHES	.000	3.643-001	5.654-001	5.612-001	9.424-001	9.785-001	9.952-001	9.719-001
THK	3 81.5 INCHES	.000	3.535-001	5.447-001	4.555-001	8.333-001	7.627-001	7.719-001	8.205-001
THK	3 85.0 INCHES	.000	2.738-001	5.115-001	2.708-001	4.114-001	7.337-001	6.279-001	7.696-001
THK	3 89.5 INCHES	.000	1.704-001	2.451-001	4.420-001	6.001-001	7.801-001	7.261-001	7.622-001
THK	3 91.75 INCHES	.000	1.874-001	3.873-001	4.900-001	6.589-001	8.175-001	7.854-001	7.995-001
THK	3 95.0 INCHES	.000	1.616+000	1.846+000	1.962+000	2.131+000	2.279+000	2.341+000	2.304+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 2 MAY 11, 1962

TIME MIN	.000	1.000+002	3.600+002	5.400+002	7.200+002	9.000+002	1.000+003	1.140+003
THALL 3 1.125 INCHES	DEG F	6.280+002	5.230+002	5.250+002	5.370+002	5.490+002	5.430+002	5.520+002
THALL 3 2.5 INCHES	DEG F	7.430+002	7.040+002	7.290+002	7.710+002	8.150+002	8.600+002	9.110+002
THALL 3 4.125 INCHES	DEG F	7.840+002	7.960+002	8.500+002	9.250+002	9.820+002	1.030+003	1.083+003
THALL 3 5.5 INCHES	DEG F	7.900+002	7.460+002	7.520+002	7.740+002	7.900+002	8.170+002	8.570+002
THALL 3 7.0 INCHES	DEG F	7.200+002	6.540+002	6.470+002	6.520+002	6.550+002	6.600+002	6.700+002
THALL 3 8.5 INCHES	DEG F	6.660+002	5.360+002	5.460+002	5.490+002	5.510+002	5.560+002	5.660+002
THALL 3 10.125 INCHES	DEG F	6.290+002	5.320+002	5.470+002	5.520+002	5.540+002	5.560+002	5.620+002
THALL 3 12.625 INCHES	DEG F	5.070+002	5.290+002	5.460+002	5.480+002	5.550+002	5.600+002	5.650+002
THALL 3 15.0 INCHES	DEG F	5.630+002	5.440+002	5.550+002	5.570+002	5.630+002	5.700+002	5.750+002
THALL 3 17.125 INCHES	DEG F	5.550+002	5.470+002	5.590+002	5.630+002	5.710+002	5.780+002	5.820+002
THALL 3 20.0 INCHES	DEG F	5.490+002	5.610+002	5.750+002	5.800+002	5.880+002	5.960+002	6.020+002
THALL 3 22.625 INCHES	DEG F	5.553+002	5.750+002	5.920+002	5.990+002	6.090+002	6.120+002	6.460+002
THALL 3 25.25 INCHES	DEG F	5.520+002	5.790+002	6.020+002	6.120+002	6.260+002	6.420+002	6.840+002
THALL 3 27.75 INCHES	DEG F	5.840+002	6.280+002	6.770+002	7.220+002	7.760+002	8.260+002	8.700+002
THALL 3 32.5 INCHES	DEG F	6.040+002	6.690+002	7.740+002	8.710+002	9.620+002	1.014+003	1.059+003
THALL 3 36.0 INCHES	DEG F	6.260+002	7.100+002	8.500+002	1.009+003	1.100+003	1.151+003	1.193+003
THALL 3 39.5 INCHES	DEG F	6.550+002	7.380+002	8.550+002	1.007+003	1.098+003	1.151+003	1.196+003
THALL 3 43.0 INCHES	DEG F	6.740+002	7.470+002	8.160+002	8.750+002	9.400+002	9.940+002	1.046+003
THALL 3 46.75 INCHES	DEG F	6.900+002	7.550+002	8.110+002	8.620+002	9.160+002	9.610+002	1.008+003
THALL 3 49.5 INCHES	DEG F	7.070+002	7.680+002	8.440+002	8.970+002	9.480+002	9.900+002	1.033+003
THALL 3 57.0 INCHES	DEG F	7.650+002	9.760+002	1.104+003	1.198+003	1.231+003	1.247+003	1.251+003
THALL 3 60.25 INCHES	DEG F	7.830+002	9.110+002	1.016+003	1.117+003	1.201+003	1.230+003	1.243+003
THALL 3 64.125 INCHES	DEG F	8.020+002	9.090+002	1.027+003	1.141+003	1.233+003	1.270+003	1.288+003
THALL 3 67.375 INCHES	DEG F	8.090+002	9.150+002	1.041+003	1.157+003	1.245+003	1.269+003	1.306+003
THALL 3 71.0 INCHES	DEG F	8.210+002	9.540+002	1.001+003	1.088+003	1.137+003	1.172+003	1.215+003
THALL 3 74.125 INCHES	DEG F	8.210+002	9.790+002	9.680+002	9.950+002	1.028+003	1.054+003	1.078+003
THALL 3 78.0 INCHES	DEG F	8.480+002	9.380+002	9.520+002	9.650+002	9.800+002	9.920+002	1.005+003
THALL 3 81.5 INCHES	DEG F	8.730+002	9.400+002	9.540+002	9.630+002	9.760+002	9.840+002	9.910+002
THALL 3 85.0 INCHES	DEG F	8.980+002	9.490+002	9.610+002	9.700+002	9.800+002	9.860+002	9.910+002
THALL 3 91.75 INCHES	DEG F	9.270+002	9.680+002	9.770+002	9.910+002	9.990+002	1.004+003	1.011+003
THALL 3 95.0 INCHES	DEG F	9.470+002	9.860+002	9.900+002	1.006+003	1.017+003	1.022+003	1.028+003
FUEL PRES 3 0.0 INCHES PSIG	PSIG	4.322+002	4.471+002	4.511+002	4.556+002	4.536+002	4.573+002	4.609+002
FUEL PRES 3 24.0 INCHES PSIG	PSIG	4.268+002	4.413+002	4.454+002	4.497+002	4.476+002	4.512+002	4.545+002
FUEL PRES 3 40.0 INCHES PSIG	PSIG	4.229+002	4.376+002	4.415+002	4.459+002	4.436+002	4.465+002	4.497+002
FUEL PRES 3 72.0 INCHES PSIG	PSIG	4.072+002	4.142+002	4.134+002	4.154+002	4.111+002	4.125+002	4.126+002
FUEL PRES 3 96.0 INCHES PSIG	PSIG	3.870+002	3.973+002	4.003+002	4.030+002	3.986+002	4.007+002	4.004+002
FUEL INLET TEMP	TEMP	6.900+001	8.100+001	9.100+001	9.200+001	9.200+001	9.100+001	9.100+001
FUEL TEMP 3 24.0 INCHES DEG F	DEG F	3.740+002	3.750+002	3.790+002	3.780+002	3.760+002	3.760+002	3.760+002
FUEL TEMP 3 40.0 INCHES DEG F	DEG F	5.660+002	5.730+002	5.790+002	5.820+002	5.840+002	5.870+002	5.920+002
FUEL TEMP 3 72.0 INCHES DEG F	DEG F	7.540+002	7.740+002	7.910+002	8.050+002	8.130+002	8.190+002	8.250+002
FUEL TEMP 3 96.0 INCHES DEG F	DEG F	8.870+002	8.950+002	8.970+002	9.070+002	9.040+002	8.960+002	8.960+002
FLCH RATE LB/HR	LB/HR	5.980+001	6.089+001	6.059+001	6.012+001	5.999+001	5.985+001	5.897+001
CURRENT AMPS	AMPS	1.280+002	1.257+002	1.241+002	1.233+002	1.235+002	1.213+002	1.217+002
VOLTAZ VOLTS	VOLTS	7.461+001	7.466+001	7.465+001	7.494+001	7.577+001	7.501+001	7.549+001
FORC'd RPM/SEC	RPM/SEC	9.051+000	8.846+000	8.761+000	8.758+000	8.873+000	8.625+000	8.710+000
FLUX	FLUX	5.044+001	4.969+001	4.922+001	4.920+001	4.924+001	4.920+001	4.933+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 2 MAY 11, 1962

TIME MIN	.000	1.000+002	3.600+002	5.400+002	7.200+002	9.000+002	1.000+003	1.140+003
REYNOLDS NUMBER @ 0.0 INCHES	2.169+003	2.209+003	2.198+003	2.181+003	2.176+003	2.171+003	2.164+003	2.130+003
REYNOLDS NUMBER @ 12.0 INCHES	7.714+003	7.854+003	7.816+003	7.755+003	7.739+003	7.720+003	7.768+003	7.606+003
REYNOLDS NUMBER @ 36.0 INCHES	2.024+004	2.061+004	2.051+004	2.035+004	2.031+004	2.026+004	2.038+004	1.996+004
REYNOLDS NUMBER @ 60.0 INCHES	3.707+004	3.774+004	3.756+004	3.727+004	3.719+004	3.710+004	3.733+004	3.655+004
REYNOLDS NUMBER @ 84.0 INCHES	1.793+005	1.825+005	1.816+005	1.802+005	1.799+005	1.794+005	1.805+005	1.768+005
FRICITION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICITION FACTOR @ 12.0 INCHES	1.191-002	1.215-002	1.231-002	1.278-002	1.316-002	1.340-002	1.368-002	1.423-002
FRICITION FACTOR @ 36.0 INCHES	7.291-003	6.714-003	7.154-003	7.129-003	7.451-003	6.652-003	6.660-003	9.432-003
FRICITION FACTOR @ 60.0 INCHES	2.472-002	3.562-002	4.299-002	4.757-002	5.081-002	5.357-002	5.657-002	6.005-002
FRICITION FACTOR @ 84.0 INCHES	1.359-002	1.099-002	6.849-003	6.245-003	6.391-003	7.961-003	6.807-003	8.449-003
U @ 1.125 IN. BTU/FT2-SEC-F	9.334-002	1.130-001	1.114-001	1.006-001	1.091-001	1.054-001	1.052-001	1.044-001
U @ 2.5 IN. BTU/FT2-SEC-F	7.917-002	8.237-002	7.834-002	7.340-002	6.978-002	6.382-002	6.125-002	6.039-002
U @ 4.125 IN. BTU/FT2-SEC-F	7.674-002	7.365-002	6.755-002	6.122-002	5.791-002	5.280-002	5.148-002	5.088-002
U @ 5.5 IN. BTU/FT2-SEC-F	7.609-002	6.185-002	6.027-002	7.746-002	7.655-002	7.145-002	6.851-002	6.683-002
U @ 7.0 IN. BTU/FT2-SEC-F	9.046-002	1.002-001	1.006-001	9.958-002	1.003-001	9.651-002	9.646-002	9.556-002
U @ 8.5 IN. BTU/FT2-SEC-F	1.040-001	1.384-001	1.334-001	1.323-001	1.333-001	1.278-001	1.265-001	1.259-001
U @ 10.125 IN. BTU/FT2-SEC-F	1.179-001	1.486-001	1.409-001	1.388-001	1.392-001	1.352-001	1.347-001	1.343-001
U @ 12.625 IN. BTU/FT2-SEC-F	1.422-001	1.659-001	1.555-001	1.544-001	1.531-001	1.466-001	1.470-001	1.458-001
U @ 15.0 IN. BTU/FT2-SEC-F	1.676-001	1.747-001	1.666-001	1.654-001	1.643-001	1.561-001	1.565-001	1.551-001
U @ 17.125 IN. BTU/FT2-SEC-F	1.895-001	1.908-001	1.807-001	1.780-001	1.753-001	1.663-001	1.666-001	1.657-001
U @ 20.0 IN. BTU/FT2-SEC-F	2.251-001	2.089-001	1.954-001	1.916-001	1.882-001	1.776-001	1.771-001	1.755-001
U @ 22.625 IN. BTU/FT2-SEC-F	2.552-001	2.274-001	2.090-001	2.029-001	1.974-001	1.853-001	1.754-001	1.690-001
U @ 25.25 IN. BTU/FT2-SEC-F	3.026-001	2.548-001	2.250-001	2.150-001	2.059-001	1.878-001	1.691-001	1.631-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.956-001	2.300-001	1.857-001	1.587-001	1.359-001	1.170-001	1.091-001	1.068-001
U @ 32.5 IN. BTU/FT2-SEC-F	3.139-001	2.189-001	1.482-001	1.147-001	9.585-002	8.470-002	8.065-002	7.930-002
U @ 36.0 IN. BTU/FT2-SEC-F	3.259-001	2.070-001	1.295-001	9.128-002	7.911-002	7.115-002	6.842-002	6.767-002
U @ 39.5 IN. BTU/FT2-SEC-F	3.238-001	2.070-001	1.379-001	9.666-002	8.307-002	7.420-002	7.109-002	7.010-002
U @ 43.0 IN. BTU/FT2-SEC-F	3.435-001	2.248-001	1.697-001	1.410-001	1.204-001	1.035-001	9.684-002	9.409-002
U @ 46.75 IN. BTU/FT2-SEC-F	3.794-001	2.497-001	1.930-001	1.608-001	1.384-001	1.176-001	1.116-001	1.082-001
U @ 49.5 IN. BTU/FT2-SEC-F	3.934-001	2.363-001	1.848-001	1.541-001	1.346-001	1.175-001	1.102-001	1.075-001
U @ 53.25 IN. BTU/FT2-SEC-F	3.915-001	2.037-001	1.548-001	1.302-001	1.162-001	1.039-001	9.861-002	9.615-002
U @ 57.0 IN. BTU/FT2-SEC-F	3.957-001	1.464-001	1.053-001	8.762-002	8.341-002	7.936-002	8.006-002	7.962-002
U @ 60.25 IN. BTU/FT2-SEC-F	4.201-001	1.995-001	1.390-001	1.081-001	9.246-002	8.529-002	8.481-002	8.421-002
U @ 64.125 IN. BTU/FT2-SEC-F	4.635-001	2.293-001	1.470-001	1.096-001	9.218-002	8.397-002	8.301-002	8.214-002
U @ 67.375 IN. BTU/FT2-SEC-F	5.573-001	2.519-001	1.523-001	1.120-001	9.453-002	8.482-002	8.363-002	8.290-002
U @ 71.0 IN. BTU/FT2-SEC-F	6.794-001	2.391-001	1.931-001	1.439-001	1.275-001	1.138-001	1.084-001	1.044-001
U @ 74.125 IN. BTU/FT2-SEC-F	9.207-001	2.330-001	2.434-001	2.146-001	1.901-001	1.681-001	1.576-001	1.528-001
U @ 78.0 IN. BTU/FT2-SEC-F	8.369-001	3.296-001	2.987-001	2.768-001	2.586-001	2.356-001	2.259-001	2.177-001
U @ 81.5 IN. BTU/FT2-SEC-F	7.663-001	3.726-001	3.348-001	3.147-001	2.943-001	2.732-001	2.669-001	2.570-001
U @ 85.0 IN. BTU/FT2-SEC-F	7.056-001	4.041-001	3.647-001	3.417-001	3.237-001	3.029-001	2.982-001	2.876-001
U @ 88.5 IN. BTU/FT2-SEC-F	6.234-001	4.054-001	3.741-001	3.300-001	3.246-001	3.056-001	3.045-001	2.955-001
U @ 91.75 IN. BTU/FT2-SEC-F	8.000-001	4.700-001	4.314-001	3.857-001	3.650-001	3.375-001	3.334-001	3.250-001
U @ 95.0 IN. BTU/FT2-SEC-F	7.758-001	4.753-001	4.534-001	3.950-001	3.677-001	3.447-001	3.451-001	3.339-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 2 MAY 11, 1962

TIME	MIN	.000	1.000+002	3.600+002	5.400+002	7.200+002	9.000+002	1.000+003	1.140+003
THK	3 1.125 INCHES	.000	-7.456-001	-6.953-001	-5.965-001	-6.199-001	-4.900-001	-4.825-001	-4.535-001
THK	3 2.5 INCHES	.000	-1.965-001	5.343-002	3.967-001	6.797-001	1.216+000	1.478+000	1.571+000
THK	3 4.125 INCHES	.000	2.178-001	7.087-001	1.321+000	1.694+000	2.363+000	2.557+000	2.649+000
THK	3 5.5 INCHES	.000	-2.351-001	-1.373-001	4.135-002	4.135-002	4.760-001	7.164-001	8.628-001
THK	3 7.0 INCHES	.000	-4.285-001	-4.470-001	4.049-001	-4.325-001	-2.769-001	-2.747-001	-2.356-001
THK	3 8.5 INCHES	.000	-9.571-001	-8.480-001	-8.225-001	-8.454-001	-7.181-001	-6.842-001	-6.669-001
THK	3 10.125 INCHES	.000	-7.019-001	-5.542-001	-5.125-001	-5.335-001	-4.350-001	-4.230-001	-4.149-001
THK	3 12.625 INCHES	.000	-4.015-001	-2.401-001	-2.229-001	-2.001-001	-8.393-002	-9.277-002	-6.970-002
THK	3 15.0 INCHES	.000	-9.745-002	1.397-002	3.107-002	4.811-002	1.757-001	1.694-001	1.916-001
THK	3 17.125 INCHES	.000	-1.530-002	1.024-001	1.357-001	1.710-001	2.942-001	2.903-001	3.034-001
THK	3 20.0 INCHES	.000	1.379-001	2.701-001	3.115-001	3.488-001	4.758-001	4.823-001	5.029-001
THK	3 22.625 INCHES	.000	1.973-001	3.524-001	4.100-001	4.649-001	5.973-001	7.190-001	8.051-001
THK	3 25.25 INCHES	.000	2.401-001	4.501-001	5.321-001	6.205-001	8.083-001	1.044+000	1.131+000
THK	3 28.75 INCHES	.000	3.857-001	8.006-001	1.167+000	1.568+000	2.065+000	2.314+000	2.391+000
THK	3 32.5 INCHES	.000	5.529-001	1.424+000	2.213+000	2.894+000	3.449+000	3.625+000	3.770+000
THK	3 36.0 INCHES	.000	7.048-001	1.861+000	3.155+000	3.829+000	4.395+000	4.619+000	4.683+000
THK	3 39.5 INCHES	.000	6.969-001	1.666+000	2.903+000	3.580+000	4.156+000	4.391+000	4.471+000
THK	3 43.0 INCHES	.000	6.147-001	1.193+000	1.673+000	2.153+000	2.699+000	2.966+000	3.087+000
THK	3 46.75 INCHES	.000	5.478-001	1.018+000	1.434+000	1.835+000	2.289+000	2.531+000	2.641+000
THK	3 49.5 INCHES	.000	6.757-001	1.147+000	1.579+000	1.955+000	2.387+000	2.612+000	2.705+000
THK	3 53.25 INCHES	.000	9.415-001	1.562+000	2.051+000	2.420+000	2.833+000	3.034+000	3.136+000
THK	3 57.0 INCHES	.000	1.722+000	2.789+000	3.554+000	3.784+000	4.029+000	3.985+000	4.013+000
THK	3 60.25 INCHES	.000	1.053+000	1.925+000	2.747+000	3.374+000	3.737+000	3.764+000	3.798+000
THK	3 64.125 INCHES	.000	8.014-001	1.857+000	2.705+000	3.476+000	3.906+000	3.956+000	4.007+000
THK	3 67.375 INCHES	.000	8.700-001	1.909+000	2.853+000	3.514+000	3.998+000	4.065+000	4.108+000
THK	3 71.0 INCHES	.000	1.084+000	1.482+000	2.191+000	2.548+000	2.927+000	3.101+000	3.244+000
THK	3 74.125 INCHES	.000	1.282+000	1.209+000	1.429+000	1.670+000	1.945+000	2.104+000	2.183+000
THK	3 78.0 INCHES	.000	7.356-001	8.611-001	9.673-001	1.069+000	1.212+000	1.293+000	1.359+000
THK	3 81.5 INCHES	.000	5.515-001	6.756-001	7.492-001	8.372-001	9.422-001	9.769-001	1.034+000
THK	3 85.0 INCHES	.000	4.237-001	5.308-001	6.043-001	6.695-001	7.545-001	7.751-001	8.152-001
THK	3 88.5 INCHES	.000	3.450-001	4.276-001	5.418-001	5.908-001	6.674-001	6.720-001	7.118-001
THK	3 91.75 INCHES	.000	3.497-001	4.229-001	5.371-001	5.960-001	6.852-001	6.997-001	7.308-001
THK	3 95.0 INCHES	.000	3.259-001	3.665-001	4.970-001	5.722-001	6.447-001	6.433-001	6.824-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 4 MAY 24, 1962

TIME	MIN	.000	1.200+002	2.400+002	3.600+002	4.800+002	6.000+002	7.200+002	8.400+002		
THALL	3	1.125	INCHES	DEG F	5.450+002	5.460+002	5.350+002	5.410+002	5.500+002	5.540+002	5.470+002
THALL	3	2.5	INCHES	DEG F	6.820+002	7.600+002	8.210+002	8.950+002	9.640+002	1.012+003	9.730+002
THALL	3	4.125	INCHES	DEG F	7.530+002	9.130+002	1.037+003	1.138+003	1.159+003	1.179+003	1.014+003
THALL	3	5.5	INCHES	DEG F	7.030+002	6.590+002	6.120+002	5.900+002	5.840+002	5.620+002	4.550+002
THALL	3	7.0	INCHES	DEG F	6.050+002	5.610+002	5.430+002	5.370+002	5.550+002	5.460+002	4.930+002
THALL	3	8.5	INCHES	DEG F	5.560+002	5.540+002	5.350+002	5.370+002	5.520+002	5.440+002	4.930+002
THALL	3	10.125	INCHES	DEG F	5.420+002	5.400+002	5.220+002	5.280+002	5.440+002	5.360+002	4.910+002
THALL	3	12.625	INCHES	DEG F	5.290+002	5.320+002	5.310+002	5.270+002	5.450+002	5.360+002	5.070+002
THALL	3	15.0	INCHES	DEG F	5.230+002	5.310+002	5.240+002	5.340+002	5.500+002	5.430+002	5.360+002
THALL	3	17.125	INCHES	DEG F	5.260+002	5.300+002	5.430+002	5.450+002	5.630+002	5.600+002	5.440+002
THALL	3	20.0	INCHES	DEG F	5.350+002	5.520+002	5.520+002	5.750+002	5.930+002	5.920+002	5.890+002
THALL	3	22.625	INCHES	DEG F	3.660+002	4.350+002	4.620+002	4.810+002	4.890+002	4.970+002	4.930+002
THALL	3	25.75	INCHES	DEG F	5.520+002	5.800+002	5.900+002	6.360+002	6.820+002	6.870+002	7.430+002
THALL	3	32.5	INCHES	DEG F	6.030+002	7.120+002	8.070+002	1.092+003	1.187+003	1.221+003	1.331+003
THALL	3	35.0	INCHES	DEG F	6.280+002	6.320+002	1.046+003	1.192+003	1.278+003	1.290+003	1.149+003
THALL	3	39.5	INCHES	DEG F	6.470+002	6.900+002	1.094+003	1.204+003	1.306+003	1.316+003	1.364+003
THALL	3	43.0	INCHES	DEG F	6.630+002	6.850+002	1.071+003	1.146+003	1.207+003	1.219+003	1.312+003
THALL	3	46.75	INCHES	DEG F	6.920+002	6.810+002	1.029+003	1.122+003	1.185+003	1.203+003	1.321+003
THALL	3	49.5	INCHES	DEG F	6.970+002	6.000+002	0.780+002	9.620+002	1.009+003	1.086+003	1.218+003
THALL	3	53.25	INCHES	DEG F	7.280+002	8.290+002	9.070+002	9.830+002	1.037+003	1.086+003	1.249+003
THALL	3	57.0	INCHES	DEG F	7.600+002	1.004+003	1.152+003	1.260+003	1.285+003	1.264+003	1.267+003
THALL	3	60.25	INCHES	DEG F	7.770+002	9.420+002	9.890+002	1.119+003	1.175+003	1.156+003	1.174+003
THALL	3	64.125	INCHES	DEG F	8.030+002	9.400+002	1.059+003	1.222+003	1.261+003	1.257+003	1.285+003
THALL	3	67.375	INCHES	DEG F	8.000+002	9.410+002	1.077+003	1.229+003	1.274+003	1.270+003	1.299+003
THALL	3	71.0	INCHES	DEG F	8.300+002	9.470+002	9.630+002	1.076+003	1.211+003	1.253+003	1.327+003
THALL	3	74.125	INCHES	DEG F	8.490+002	1.030+003	9.850+002	1.098+003	1.138+003	1.192+003	1.279+003
THALL	3	78.0	INCHES	DEG F	8.750+002	9.890+002	1.003+003	1.045+003	1.085+003	1.122+003	1.215+003
THALL	3	81.5	INCHES	DEG F	9.050+002	9.800+002	1.000+003	1.023+003	1.050+003	1.079+003	1.163+003
THALL	3	85.0	INCHES	DEG F	9.320+002	9.820+002	9.970+002	1.020+003	1.038+003	1.056+003	1.122+003
THALL	3	88.5	INCHES	DEG F	9.480+002	9.860+002	1.001+003	1.036+003	1.048+003	1.052+003	1.086+003
THALL	3	91.75	INCHES	DEG F	9.580+002	9.980+002	1.010+003	1.036+003	1.048+003	1.060+003	1.072+003
THALL	3	95.0	INCHES	DEG F	9.750+002	1.014+003	1.017+003	1.042+003	1.057+003	1.066+003	1.064+003
FUEL PRES	3	0.0	INCHES	PSIG	4.510+002	4.704+002	4.712+002	4.823+002	4.913+002	4.971+002	5.262+002
FUEL PRES	3	24.0	INCHES	PSIG	4.425+002	4.619+002	4.626+002	4.723+002	4.824+002	4.880+002	5.166+002
FUEL PRES	3	48.0	INCHES	PSIG	4.367+002	4.543+002	4.551+002	4.619+002	4.697+002	4.739+002	4.755+002
FUEL PRES	3	72.0	INCHES	PSIG	4.278+002	4.446+002	4.399+002	4.405+002	4.429+002	4.397+002	4.353+002
FUEL PRES	3	96.0	INCHES	PSIG	3.819+002	3.900+002	3.936+002	3.933+002	3.963+002	3.977+002	3.976+002
FUEL INLET TEMP				DEG F	6.000+001	7.000+001	8.000+001	8.400+001	8.700+001	8.800+001	8.600+001
FUEL TEMP	3	24.0	INCHES	DEG F	3.550+002	3.580+002	3.560+002	3.600+002	3.620+002	3.630+002	3.590+002
FUEL TEMP	3	48.0	INCHES	DEG F	5.660+002	5.720+002	5.790+002	5.970+002	6.180+002	6.450+002	7.340+002
FUEL TEMP	3	72.0	INCHES	DEG F	7.500+002	7.660+002	7.730+002	7.950+002	8.180+002	8.380+002	8.440+002
FUEL TEMP	3	96.0	INCHES	DEG F	7.500+002	9.050+002	8.960+002	8.900+002	9.000+002	8.850+002	9.060+002
FLOW RATE		LB/HR			7.547+001	7.567+001	7.561+001	7.953+001	7.645+001	7.703+001	7.422+001
CURRENT		AMPS			1.464+002	1.435+002	1.395+002	1.400+002	1.395+002	1.337+002	1.359+002
VOLTAGE		VOLTS			8.491+001	8.562+001	8.406+001	8.433+001	8.705+001	8.363+001	8.561+001
FUEL		FUEL SEC			1.179+001	1.165+001	1.104+001	1.144+001	1.151+001	1.058+001	1.103+001
FUEL		FUEL SEC			6.620+001	6.561+001	6.129+001	6.436+001	6.466+001	5.911+001	6.193+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
 RUN 4 MAY 24, 1962

TIME MIN	.000	1.200+002	2.400+002	3.600+002	4.800+002	6.000+002	7.200+002	8.400+002
REYNOLDS NUMBER @ 0.0 INCHES	2.505+003	2.512+003	2.509+003	2.640+003	2.537+003	2.556+003	2.559+003	2.463+003
REYNOLDS NUMBER @ 12.0 INCHES	9.152+003	9.179+003	9.169+003	9.647+003	9.271+003	9.341+003	9.350+003	9.001+003
REYNOLDS NUMBER @ 36.0 INCHES	2.496+004	2.503+004	2.501+004	2.631+004	2.528+004	2.547+004	2.550+004	2.455+004
REYNOLDS NUMBER @ 60.0 INCHES	4.647+004	4.660+004	4.655+004	4.898+004	4.707+004	4.743+004	4.747+004	4.570+004
REYNOLDS NUMBER @ 84.0 INCHES	7.020+004	7.041+004	7.033+004	7.400+004	7.111+004	7.165+004	7.172+004	6.904+004
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.179+002	1.176+002	1.188+002	1.178+002	1.205+002	1.267+002	1.693+002	1.494+002
FRICTION FACTOR @ 36.0 INCHES	6.949+003	6.975+003	6.935+003	1.177+002	1.400+002	1.628+002	3.205+002	4.976+002
FRICTION FACTOR @ 60.0 INCHES	8.830+003	9.509+003	1.500+002	1.912+002	2.587+002	3.247+002	3.820+002	4.126+002
FRICTION FACTOR @ 84.0 INCHES	3.614+002	4.083+002	3.629+002	3.347+002	3.583+002	3.160+002	3.595+002	3.068+002
U @ 1.125 IN. BTU/FT2-SEC-F	1.406+001	1.336+001	1.345+001	1.378+001	1.359+001	1.230+001	1.622+001	1.309+001
U @ 2.5 IN. BTU/FT2-SEC-F	1.120+001	9.780+002	6.494+002	8.006+002	7.410+002	6.454+002	7.680+002	7.007+002
U @ 4.125 IN. BTU/FT2-SEC-F	1.032+001	8.160+002	6.697+002	6.569+002	6.174+002	5.567+002	7.511+002	6.954+002
U @ 5.5 IN. BTU/FT2-SEC-F	1.150+001	1.233+001	1.282+001	1.395+001	1.420+001	1.371+001	2.077+001	1.602+001
U @ 7.0 IN. BTU/FT2-SEC-F	1.446+001	1.581+001	1.566+001	1.643+001	1.586+001	1.490+001	2.043+001	1.765+001
U @ 8.5 IN. BTU/FT2-SEC-F	1.697+001	1.685+001	1.680+001	1.734+001	1.675+001	1.572+001	2.131+001	1.893+001
U @ 10.125 IN. BTU/FT2-SEC-F	1.860+001	1.849+001	1.846+001	1.883+001	1.807+001	1.699+001	2.315+001	2.031+001
U @ 12.625 IN. BTU/FT2-SEC-F	2.124+001	2.079+001	1.976+001	2.065+001	1.974+001	1.853+001	2.495+001	2.138+001
U @ 15.0 IN. BTU/FT2-SEC-F	2.398+001	2.237+001	2.237+001	2.242+001	2.134+001	2.007+001	2.567+001	2.142+001
U @ 17.125 IN. BTU/FT2-SEC-F	2.620+001	2.472+001	2.299+001	2.349+001	2.233+001	2.073+001	2.505+001	2.146+001
U @ 20.0 IN. BTU/FT2-SEC-F	2.932+001	2.690+001	2.553+001	2.421+001	2.279+001	2.101+001	2.432+001	2.237+001
U @ 22.625 IN. BTU/FT2-SEC-F	1.500+000	7.024+001	5.163+001	4.626+001	4.376+001	3.831+001	4.737+001	4.098+001
U @ 25.25 IN. BTU/FT2-SEC-F	3.633+001	3.112+001	2.815+001	2.418+001	2.072+001	1.874+001	2.091+001	1.659+001
U @ 28.75 IN. BTU/FT2-SEC-F	3.740+001	2.869+001	2.214+001	1.536+001	1.249+001	1.009+001	1.041+001	0.268+002
U @ 32.5 IN. BTU/FT2-SEC-F	3.879+001	2.339+001	1.363+001	9.756+002	8.571+002	7.536+002	8.040+002	6.891+002
U @ 36.0 IN. BTU/FT2-SEC-F	4.000+001	1.770+001	1.062+001	0.622+002	7.932+002	7.183+002	7.422+002	6.870+002
U @ 39.5 IN. BTU/FT2-SEC-F	4.290+001	1.640+001	1.031+001	9.048+002	7.953+002	7.219+002	7.367+002	7.067+002
U @ 43.0 IN. BTU/FT2-SEC-F	4.725+001	1.806+001	1.131+001	1.033+001	9.455+002	8.530+002	8.908+002	7.848+002
U @ 46.75 IN. BTU/FT2-SEC-F	4.840+001	2.008+001	1.338+001	1.136+001	1.027+001	9.175+002	9.801+002	8.087+002
U @ 49.5 IN. BTU/FT2-SEC-F	5.540+001	2.940+001	2.063+001	1.674+001	1.479+001	1.205+001	1.234+001	9.669+002
U @ 53.25 IN. BTU/FT2-SEC-F	5.438+001	2.937+001	2.043+001	1.708+001	1.502+001	1.239+001	1.169+001	9.635+002
U @ 57.0 IN. BTU/FT2-SEC-F	4.978+001	1.773+001	1.199+001	1.030+001	9.951+002	9.449+002	1.040+001	9.799+002
U @ 60.25 IN. BTU/FT2-SEC-F	5.654+001	2.819+001	1.834+001	1.402+001	1.256+001	1.198+001	1.248+001	1.205+001
U @ 64.125 IN. BTU/FT2-SEC-F	5.839+001	2.889+001	1.734+001	1.209+001	1.132+001	1.040+001	1.104+001	1.040+001
U @ 67.375 IN. BTU/FT2-SEC-F	7.084+001	3.196+001	1.710+001	1.251+001	1.156+001	1.070+001	1.135+001	1.060+001
U @ 71.0 IN. BTU/FT2-SEC-F	7.552+001	3.190+001	2.809+001	1.929+001	1.300+001	1.164+001	1.312+001	1.059+001
U @ 74.125 IN. BTU/FT2-SEC-F	6.607+001	2.336+001	2.630+001	1.649+001	1.667+001	1.345+001	1.544+001	1.171+001
U @ 78.0 IN. BTU/FT2-SEC-F	5.276+001	2.749+001	2.450+001	2.182+001	1.931+001	1.580+001	1.832+001	1.332+001
U @ 81.5 IN. BTU/FT2-SEC-F	4.271+001	2.844+001	2.430+001	2.353+001	2.156+001	1.807+001	1.500+001	1.500+001
U @ 85.0 IN. BTU/FT2-SEC-F	3.638+001	2.820+001	2.450+001	2.384+001	2.246+001	1.942+001	2.275+001	1.665+001
U @ 88.5 IN. BTU/FT2-SEC-F	3.344+001	2.772+001	2.470+001	2.340+001	2.262+001	1.960+001	2.330+001	1.843+001
U @ 91.75 IN. BTU/FT2-SEC-F	3.103+001	2.638+001	2.304+001	2.250+001	2.171+001	1.917+001	2.194+001	1.923+001
U @ 95.0 IN. BTU/FT2-SEC-F	2.942+001	2.478+001	2.122+001	2.204+001	2.107+001	1.849+001	2.119+001	1.972+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 4 MAY 24, 1982

TIME	MIN	.000	1.200+002	2.400+002	3.600+002	4.800+002	6.000+002	7.200+002	8.400+002
THK	3 1.125 INCHES	.000	4.045-002	1.289-001	5.669-002	9.787-002	3.846-001	-3.796-001	2.093-001
THK	3 2.5 INCHES	.000	5.200-001	1.140+000	1.426+000	1.828+000	2.627+000	1.633+000	2.139+000
THK	3 4.125 INCHES	.000	1.025+000	2.076+000	2.504+000	2.602+000	3.308+000	1.449+000	1.876+000
THK	3 5.5 INCHES	.000	-2.332-001	-3.573-001	-6.089-001	-6.603-001	-5.597-001	-1.551+000	-9.808-001
THK	3 7.0 INCHES	.000	-2.357-001	-2.121-001	-3.309-001	-2.441-001	-8.207-002	-8.084-001	-5.002-001
THK	3 8.5 INCHES	.000	1.621-002	2.467-002	-5.054-002	3.071-002	1.877-001	-4.802-001	-2.443-001
THK	3 10.125 INCHES	.000	1.372-002	1.706-002	-2.540-002	6.295-002	2.045-001	-4.223-001	-1.810-001
THK	3 12.625 INCHES	.000	4.107-002	1.409-001	5.397-002	1.433-001	2.751-001	-2.803-001	-1.214-002
THK	3 15.0 INCHES	.000	6.905-002	1.198-001	1.162-001	2.062-001	3.246-001	-1.100-001	1.991-001
THK	3 17.125 INCHES	.000	9.180-002	2.134-001	1.618-001	2.647-001	4.027-001	7.029-002	3.378-001
THK	3 20.0 INCHES	.000	1.204-001	2.024-001	2.877-001	3.908-001	5.390-001	2.806-001	4.235-001
THK	3 22.625 INCHES	.000	3.028-001	5.095-001	5.981-001	6.432-001	7.774-001	5.778-001	7.095-001
THK	3 25.25 INCHES	.000	1.845-001	3.203-001	5.536-001	8.298-001	1.034+000	8.119-001	1.310+000
THK	3 28.75 INCHES	.000	3.248-001	7.373-001	1.535+000	2.134+000	2.895+000	2.771+000	3.768+000
THK	3 32.5 INCHES	.000	6.790-001	1.903+000	3.069+000	3.636+000	4.277+000	3.940+000	4.773+000
THK	3 36.0 INCHES	.000	1.259+000	2.765+000	3.534+000	4.043+000	4.569+000	4.390+000	4.823+000
THK	3 39.5 INCHES	.000	1.497+000	2.943+000	3.409+000	4.097+000	4.609+000	4.497+000	4.728+000
THK	3 43.0 INCHES	.000	1.368+000	2.690+000	3.026+000	3.384+000	3.838+000	3.644+000	4.250+000
THK	3 46.75 INCHES	.000	1.166+000	2.231+000	2.696+000	3.068+000	3.533+000	3.255+000	4.120+000
THK	3 49.5 INCHES	.000	6.265-001	1.217+000	1.605+000	1.928+000	2.391+000	2.520+000	3.415+000
THK	3 53.25 INCHES	.000	6.265-001	1.218+000	1.605+000	1.928+000	2.493+000	2.685+000	3.416+000
THK	3 57.0 INCHES	.000	1.453+000	2.532+000	3.081+000	3.216+000	3.430+000	3.043+000	3.278+000
THK	3 60.25 INCHES	.000	7.117-001	1.416+000	2.146+000	2.478+000	2.631+000	2.497+000	2.613+000
THK	3 64.125 INCHES	.000	8.582-001	1.763+000	2.624+000	2.848+000	3.133+000	2.940+000	3.160+000
THK	3 67.375 INCHES	.000	8.201-001	1.774+000	2.633+000	2.895+000	3.174+000	2.960+000	3.210+000
THK	3 71.0 INCHES	.000	7.218-001	8.942-001	1.544+000	2.369+000	2.907+000	2.519+000	3.247+000
THK	3 74.125 INCHES	.000	1.114+000	9.182-001	1.565+000	1.801+000	2.377+000	1.992+000	2.819+000
THK	3 78.0 INCHES	.000	7.001-001	8.772-001	1.078+000	1.316+000	1.748+000	1.428+000	2.248+000
THK	3 81.5 INCHES	.000	4.699-001	6.766-001	7.602-001	9.187-001	1.278+000	9.514-001	1.731+000
THK	3 85.0 INCHES	.000	3.190-001	5.070-001	5.784-001	6.814-001	9.598-001	6.585-001	1.303+000
THK	3 88.5 INCHES	.000	2.468-001	4.233-001	5.128-001	5.723-001	8.352-001	5.205-001	9.739-001
THK	3 91.75 INCHES	.000	2.598-001	4.209-001	5.208-001	5.861-001	8.296-001	5.663-001	8.230-001
THK	3 95.0 INCHES	.000	2.549-001	3.634-001	4.554-001	5.391-001	7.007-001	5.285-001	6.686-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 5 MAY 27, 1982

TIME MIN	.000	1.200+002	2.400+002	3.600+002	5.100+002	6.000+002	7.200+002	8.400+002
THALL 3 1.125 INCHES DEG F	5.500+002	5.100+002	5.000+002	5.070+002	5.070+002	5.040+002	4.980+002	4.980+002
THALL 3 2.5 INCHES DEG F	6.710+002	7.110+002	7.560+002	7.530+002	6.170+002	6.130+002	7.970+002	7.850+002
THALL 3 4.125 INCHES DEG F	7.470+002	7.310+002	7.470+002	7.350+002	6.900+002	6.570+002	6.080+002	5.990+002
THALL 3 5.5 INCHES DEG F	6.880+002	5.920+002	5.800+002	5.040+002	4.850+002	4.770+002	4.720+002	4.740+002
THALL 3 7.0 INCHES DEG F	6.170+002	5.460+002	5.220+002	4.890+002	4.690+002	4.690+002	4.510+002	4.500+002
THALL 3 8.5 INCHES DEG F	5.780+002	5.510+002	5.370+002	4.800+002	4.800+002	4.620+002	4.450+002	4.430+002
THALL 3 10.125 INCHES DEG F	5.500+002	5.340+002	5.160+002	4.780+002	4.790+002	4.620+002	4.450+002	4.430+002
THALL 3 12.625 INCHES DEG F	5.350+002	5.260+002	5.150+002	4.820+002	4.840+002	4.600+002	4.570+002	4.510+002
THALL 3 15.0 INCHES DEG F	5.360+002	5.310+002	5.280+002	5.130+002	5.120+002	5.200+002	4.930+002	4.930+002
THALL 3 17.125 INCHES DEG F	5.350+002	5.380+002	5.680+002	5.470+002	5.490+002	5.680+002	5.580+002	5.760+002
THALL 3 20.0 INCHES DEG F	5.480+002	5.570+002	5.670+002	6.390+002	6.940+002	7.440+002	8.080+002	8.720+002
THALL 3 22.625 INCHES DEG F	5.570+002	5.250+002	5.300+002	6.530+002	7.240+002	7.880+002	8.890+002	9.410+002
THALL 3 25.25 INCHES DEG F	5.610+002	5.250+002	5.530+002	6.750+002	7.410+002	8.300+002	9.210+002	9.950+002
THALL 3 28.75 INCHES DEG F	5.730+002	5.500+002	5.930+002	7.370+002	8.370+002	9.370+002	1.030+003	1.105+003
THALL 3 32.5 INCHES DEG F	5.820+002	5.850+002	6.530+002	8.200+002	9.730+002	1.087+003	1.161+003	1.186+003
THALL 3 36.0 INCHES DEG F	5.900+002	6.220+002	7.270+002	9.360+002	1.103+003	1.104+003	1.209+003	1.225+003
THALL 3 39.5 INCHES DEG F	6.220+002	6.780+002	8.210+002	1.055+003	1.183+003	1.230+003	1.243+003	1.290+003
THALL 3 43.0 INCHES DEG F	6.380+002	7.190+002	8.670+002	1.108+003	1.200+003	1.231+003	1.259+003	1.303+003
THALL 3 46.75 INCHES DEG F	6.670+002	7.990+002	9.770+002	1.170+003	1.223+003	1.240+003	1.285+003	1.323+003
THALL 3 49.5 INCHES DEG F	6.830+002	8.670+002	1.065+003	1.206+003	1.233+003	1.254+003	1.292+003	1.314+003
THALL 3 53.25 INCHES DEG F	7.210+002	8.420+002	9.510+002	1.030+003	1.108+003	1.130+003	1.137+003	1.133+003
THALL 3 57.0 INCHES DEG F	7.390+002	9.590+002	1.234+003	1.273+003	1.268+003	1.273+003	1.277+003	1.271+003
THALL 3 60.25 INCHES DEG F	7.630+002	9.480+002	1.469+003	1.224+003	1.192+003	1.219+003	1.246+003	1.246+003
THALL 3 64.125 INCHES DEG F	7.960+002	1.017+003	1.139+003	1.233+003	1.203+003	1.290+003	1.305+003	1.301+003
THALL 3 67.375 INCHES DEG F	8.170+002	1.055+003	1.198+003	1.276+003	1.314+003	1.312+003	1.324+003	1.321+003
THALL 3 71.0 INCHES DEG F	8.270+002	1.034+003	1.063+003	1.129+003	1.193+003	1.247+003	1.259+003	1.272+003
THALL 3 74.125 INCHES DEG F	8.330+002	9.990+002	1.028+003	1.079+003	1.120+003	1.194+003	1.222+003	1.243+003
THALL 3 78.0 INCHES DEG F	8.730+002	9.730+002	9.980+002	1.019+003	1.043+003	1.124+003	1.169+003	1.196+003
THALL 3 81.5 INCHES DEG F	8.810+002	9.700+002	9.850+002	9.980+002	1.015+003	1.079+003	1.112+003	1.127+003
THALL 3 85.0 INCHES DEG F	9.000+002	9.740+002	9.840+002	9.840+002	1.006+003	1.054+003	1.083+003	1.085+003
THALL 3 88.5 INCHES DEG F	9.130+002	9.750+002	9.840+002	9.840+002	9.930+002	1.028+003	1.058+003	1.063+003
THALL 3 91.75 INCHES DEG F	9.290+002	9.880+002	9.970+002	9.940+002	9.960+002	1.021+003	1.048+003	1.056+003
THALL 3 95.0 INCHES DEG F	9.540+002	1.006+003	1.015+003	1.012+003	1.013+003	1.026+003	1.043+003	1.047+003
FUEL PRES 3 0.0 INCHES PSIG	4.413+002	4.559+002	4.633+002	4.766+002	4.741+002	4.825+002	5.076+002	5.188+002
FUEL PRES 3 24.0 INCHES PSIG	4.363+002	4.511+002	4.591+002	4.705+002	4.663+002	4.755+002	5.000+002	5.108+002
FUEL PRES 3 48.0 INCHES PSIG	4.316+002	4.412+002	4.533+002	4.517+002	4.459+002	4.508+002	4.658+002	4.692+002
FUEL PRES 3 72.0 INCHES PSIG	4.222+002	4.295+002	4.271+002	4.295+002	4.216+002	4.216+002	4.311+002	4.262+002
FUEL PRES 3 96.0 INCHES PSIG	3.939+002	3.998+002	3.954+002	3.968+002	3.972+002	3.966+002	3.970+002	3.951+002
FUEL INLET TEMP DEG F	7.800+001	8.800+001	9.700+001	1.010+002	1.040+002	1.030+002	1.010+002	9.900+001
FUEL TEMP 3 24.0 INCHES DEG F	3.730+002	3.690+002	3.730+002	3.810+002	3.770+002	3.800+002	3.840+002	3.880+002
FUEL TEMP 3 48.0 INCHES DEG F	5.670+002	5.820+002	6.150+002	6.530+002	6.980+002	7.190+002	7.500+002	7.780+002
FUEL TEMP 3 72.0 INCHES DEG F	7.580+002	7.810+002	7.920+002	8.010+002	8.110+002	8.200+002	8.300+002	8.320+002
FUEL TEMP 3 96.0 INCHES DEG F	9.080+002	8.930+002	8.950+002	9.070+002	8.940+002	9.090+002	9.210+002	9.150+002
FLOW RATE LBS/HR	5.977+001	5.890+001	6.173+001	6.037+001	6.256+001	5.999+001	5.969+001	5.876+001
CURRENT AMPS	1.281+002	1.241+002	1.320+002	1.199+002	1.176+002	1.206+002	1.206+002	1.180+002
VOLTAGE VOLTS	7.568+001	7.341+001	7.370+001	7.409+001	7.362+001	7.616+001	7.465+001	7.465+001
PUMP RPM/SEC	9.191+000	8.684+000	8.523+000	6.419+000	8.404+000	8.205+000	8.706+000	8.350+000
PISTON/CROFT	5.163+001	4.670+001	4.700+001	4.722+001	4.722+001	4.602+001	4.670+001	4.671+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 5 MAY 27, 1962

TIME MIN	.000	1.200+002	2.400+002	3.600+002	5.100+002	6.000+002	7.200+002	8.400+002
REYNOLDS NUMBER @ 0.0 INCHES	2.391+003	2.356+003	2.469+003	2.414+003	2.502+003	2.399+003	2.367+003	2.358+003
REYNOLDS NUMBER @ 12.0 INCHES	7.877+003	7.762+003	8.135+003	7.954+003	8.244+003	7.906+003	7.867+003	7.770+003
REYNOLDS NUMBER @ 36.0 INCHES	2.023+004	1.993+004	2.039+004	2.043+004	2.117+004	2.031+004	2.021+004	1.995+004
REYNOLDS NUMBER @ 60.0 INCHES	3.737+004	3.682+004	3.859+004	3.774+004	3.911+004	3.751+004	3.732+004	3.686+004
REYNOLDS NUMBER @ 84.0 INCHES	1.993+005	1.968+005	2.018+005	2.018+005	2.091+005	2.005+005	1.995+005	1.970+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.094+002	1.080+002	1.051+002	1.288+002	1.458+002	1.508+002	1.662+002	1.610+002
FRICTION FACTOR @ 36.0 INCHES	8.692+003	1.933+002	2.279+002	3.499+002	3.615+002	4.652+002	6.500+002	8.114+002
FRICTION FACTOR @ 60.0 INCHES	1.470+002	1.889+002	2.671+002	3.408+002	3.552+002	4.545+002	5.455+002	6.922+002
FRICTION FACTOR @ 84.0 INCHES	1.635+002	1.771+002	1.716+002	1.856+002	1.259+002	1.436+002	1.977+002	1.848+002
U @ 1.125 IN. BTU/FT2-SEC-F	1.127+001	1.145+001	1.150+001	1.139+001	1.137+001	1.118+001	1.204+001	1.155+001
U @ 2.5 IN. BTU/FT2-SEC-F	9.162+002	8.099+002	7.397+002	6.911+002	6.667+002	6.544+002	7.105+002	6.935+002
U @ 4.125 IN. BTU/FT2-SEC-F	9.510+002	1.093+001	1.190+001	1.320+001	1.359+001	1.391+001	1.498+001	1.428+001
U @ 5.5 IN. BTU/FT2-SEC-F	1.140+001	1.277+001	1.338+001	1.455+001	1.471+001	1.511+001	1.704+001	1.640+001
U @ 7.0 IN. BTU/FT2-SEC-F	1.305+001	1.324+001	1.390+001	1.590+001	1.507+001	1.649+001	1.863+001	1.800+001
U @ 8.5 IN. BTU/FT2-SEC-F	1.485+001	1.471+001	1.527+001	1.716+001	1.707+001	1.776+001	2.016+001	1.950+001
U @ 10.125 IN. BTU/FT2-SEC-F	1.710+001	1.666+001	1.699+001	1.901+001	1.803+001	1.867+001	2.185+001	2.153+001
U @ 12.625 IN. BTU/FT2-SEC-F	1.887+001	1.816+001	1.802+001	1.837+001	1.892+001	1.789+001	2.120+001	2.034+001
U @ 15.0 IN. BTU/FT2-SEC-F	2.094+001	1.955+001	1.845+001	1.829+001	1.813+001	1.649+001	1.815+001	1.631+001
U @ 20.0 IN. BTU/FT2-SEC-F	2.303+001	2.092+001	1.969+001	1.501+001	1.276+001	1.097+001	1.010+001	8.557+002
U @ 22.625 IN. BTU/FT2-SEC-F	2.570+001	2.888+001	2.753+001	1.593+001	1.283+001	1.067+001	9.177+002	8.019+002
U @ 25.25 IN. BTU/FT2-SEC-F	2.902+001	3.438+001	2.818+001	1.620+001	1.319+001	1.031+001	9.091+002	7.666+002
U @ 28.75 IN. BTU/FT2-SEC-F	3.195+001	3.519+001	2.636+001	1.452+001	1.109+001	8.769+002	7.804+002	6.763+002
U @ 32.5 IN. BTU/FT2-SEC-F	3.680+001	3.404+001	2.266+001	1.250+001	8.887+002	7.142+002	6.799+002	6.302+002
U @ 36.0 IN. BTU/FT2-SEC-F	4.033+001	3.209+001	1.863+001	1.015+001	7.459+002	6.455+002	6.617+002	6.213+002
U @ 39.5 IN. BTU/FT2-SEC-F	4.173+001	2.716+001	1.428+001	8.134+002	6.896+002	6.295+002	6.567+002	5.925+002
U @ 43.0 IN. BTU/FT2-SEC-F	4.634+001	2.535+001	1.328+001	8.134+002	7.012+002	6.543+002	6.677+002	6.041+002
U @ 46.75 IN. BTU/FT2-SEC-F	4.689+001	2.015+001	1.140+001	7.714+002	7.089+002	6.669+002	6.716+002	6.123+002
U @ 49.5 IN. BTU/FT2-SEC-F	4.961+001	1.693+001	9.830+002	7.566+002	7.219+002	6.827+002	6.858+002	6.381+002
U @ 53.25 IN. BTU/FT2-SEC-F	4.600+001	2.092+001	1.399+001	1.123+001	9.456+002	8.842+002	9.258+002	8.948+002
U @ 57.0 IN. BTU/FT2-SEC-F	5.143+001	1.523+001	8.042+002	7.455+002	7.502+002	7.265+002	7.660+002	7.417+002
U @ 60.25 IN. BTU/FT2-SEC-F	5.241+001	1.721+001	1.029+001	8.951+002	8.311+002	8.311+002	8.410+002	8.066+002
U @ 64.125 IN. BTU/FT2-SEC-F	5.128+001	1.516+001	1.079+001	8.963+002	8.062+002	7.750+002	8.021+002	7.744+002
U @ 67.375 IN. BTU/FT2-SEC-F	5.389+001	1.461+001	1.004+001	8.524+002	7.965+002	7.801+002	8.112+002	7.820+002
U @ 71.0 IN. BTU/FT2-SEC-F	6.708+001	1.718+001	1.530+001	1.248+001	1.066+001	9.276+002	9.608+002	8.986+002
U @ 74.125 IN. BTU/FT2-SEC-F	8.365+001	2.142+001	1.865+001	1.537+001	1.354+001	1.090+001	1.085+001	9.944+002
U @ 78.0 IN. BTU/FT2-SEC-F	6.661+001	2.746+001	2.364+001	2.116+001	1.900+001	1.403+001	1.309+001	1.171+001
U @ 81.5 IN. BTU/FT2-SEC-F	8.114+001	3.196+001	2.854+001	2.610+001	2.389+001	1.762+001	1.660+001	1.515+001
U @ 85.0 IN. BTU/FT2-SEC-F	8.498+001	3.620+001	3.295+001	3.073+001	2.832+001	2.146+001	2.006+001	1.907+001
U @ 88.5 IN. BTU/FT2-SEC-F	9.652+001	4.283+001	3.806+001	3.737+001	3.580+001	2.762+001	2.404+001	2.324+001
U @ 91.75 IN. BTU/FT2-SEC-F	1.035+000	4.577+001	4.143+001	4.202+001	4.122+001	3.302+001	2.936+001	2.687+001
U @ 95.0 IN. BTU/FT2-SEC-F	9.631+001	4.679+001	4.228+001	4.290+001	4.244+001	3.709+001	3.462+001	3.229+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 5 MAY 27, 1982

TIME	MIN	.000	1.200+002	2.400+002	3.600+002	5.100+002	6.000+002	7.200+002	8.400+002
THK	3 1.125	INCHES	MILS						
THK	3 2.5	INCHES	MILS	-5.515-002	-7.294-002	-3.847-002	2.734-002	-2.276-001	-8.621-002
THK	3 4.125	INCHES	MILS	5.824-001	1.051+000	1.431+000	1.756+000	1.273+000	1.411+000
THK	3 5.5	INCHES	MILS	1.485-001	3.751-001	3.712-001	-1.055-001	-8.702-001	-7.800-001
THK	3 7.0	INCHES	MILS	-5.419-001	-6.406-001	-1.171+000	-1.326+000	-1.533+000	-1.402+000
THK	3 8.5	INCHES	MILS	-3.773-001	-5.189-001	-7.611-001	-8.628-001	-1.162+000	-1.071+000
THK	3 10.125	INCHES	MILS	-4.249-002	-1.861-001	-5.481-001	-6.385-001	-9.172-001	-8.429-001
THK	3 12.625	INCHES	MILS	2.601-002	-7.321-002	-3.623-001	-4.402-001	-7.089-001	-6.415-001
THK	3 15.0	INCHES	MILS	6.273-002	1.601-002	-2.340-001	-1.963-001	-5.078-001	-4.610-001
THK	3 17.125	INCHES	MILS	8.278-002	9.916-002	-3.046-004	1.159-001	-2.337-001	-1.534-001
THK	3 20.0	INCHES	MILS	1.361-001	2.582-001	2.765-001	5.159-001	2.945-001	5.418-001
THK	3 22.625	INCHES	MILS	1.752-001	2.947-001	9.288-001	1.399+000	2.223+000	2.938+000
THK	3 25.25	INCHES	MILS	-1.715-001	-1.037-001	9.546-001	1.560+000	2.802+000	3.431+000
THK	3 28.75	INCHES	MILS	-2.147-001	4.109-002	1.090+000	1.654+000	3.021+000	3.640+000
THK	3 32.5	INCHES	MILS	-1.155-001	2.651-001	1.502+000	3.310+000	3.873+000	4.663+000
THK	3 35.0	INCHES	MILS	8.807-002	6.783-001	2.113+000	4.514+000	4.796+000	5.260+000
THK	3 37.5	INCHES	MILS	2.547-001	1.155+000	2.950+000	5.205+000	5.053+000	5.447+000
THK	3 43.0	INCHES	MILS	5.152-001	1.730+000	3.750+000	5.392+000	5.133+000	5.793+000
THK	3 45.75	INCHES	MILS	7.146-001	2.148+000	4.054+000	4.842+000	5.128+000	5.758+000
THK	3 49.5	INCHES	MILS	1.132+000	2.657+000	4.332+000	4.790+000	5.102+000	5.680+000
THK	3 53.25	INCHES	MILS	1.556+000	3.263+000	4.480+000	4.735+000	5.026+000	5.462+000
THK	3 57.0	INCHES	MILS	1.043+000	1.990+000	2.693+000	3.343+000	3.451+000	3.601+000
THK	3 60.25	INCHES	MILS	1.849+000	4.196+000	4.508+000	4.728+000	4.444+000	4.615+000
THK	3 64.125	INCHES	MILS	1.562+000	2.449+000	3.123+000	4.049+000	3.993+000	4.196+000
THK	3 67.375	INCHES	MILS	1.058+000	2.927+000	3.683+000	4.381+000	4.207+000	4.385+000
THK	3 71.0	INCHES	MILS	1.995+000	3.241+000	3.950+000	4.385+000	4.188+000	4.373+000
THK	3 74.125	INCHES	MILS	1.732+000	2.018+000	2.609+000	3.156+000	3.567+000	3.855+000
THK	3 78.0	INCHES	MILS	1.389+000	1.667+000	2.124+000	3.191+000	3.208+000	3.544+000
THK	3 81.5	INCHES	MILS	8.551-001	1.071+000	1.290+000	2.251+000	2.455+000	2.815+000
THK	3 85.0	INCHES	MILS	7.586-001	9.075-001	1.035+000	1.101+000	1.917+000	2.147+000
THK	3 88.5	INCHES	MILS	6.343-001	7.470-001	8.212-001	9.419-001	1.523+000	1.625+000
THK	3 91.75	INCHES	MILS	5.319-001	6.247-001	6.542-001	7.152-001	1.208+000	1.320+000
THK	3 95.0	INCHES	MILS	5.053-001	5.970-001	5.035-001	6.020-001	9.939-001	1.120+000
THK				4.501-001	5.413-001	5.276-001	5.376-001	7.505-001	8.338-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 6 JUNE 2, 1982

TIME MIN	.000	9.000+001	1.800+002	2.700+002	3.600+002	4.500+002	5.400+002	6.300+002
THALL @ 1.125 INCHES	5.790+002	5.790+002	5.470+002	5.330+002	5.270+002	5.290+002	5.370+002	5.390+002
THALL @ 2.5 INCHES	6.850+002	7.160+002	7.300+002	7.740+002	8.300+002	8.820+002	9.460+002	1.006+003
THALL @ 4.125 INCHES	7.570+002	7.820+002	8.100+002	8.720+002	9.390+002	9.390+002	9.840+002	1.003+003
THALL @ 5.5 INCHES	6.730+002	5.970+002	5.750+002	5.490+002	5.200+002	5.350+002	5.430+002	5.440+002
THALL @ 7.0 INCHES	6.050+002	5.640+002	5.490+002	5.430+002	5.370+002	5.400+002	5.500+002	5.500+002
THALL @ 8.5 INCHES	5.320+002	5.310+002	5.200+002	5.270+002	5.270+002	5.300+002	5.370+002	5.410+002
THALL @ 10.125 INCHES	5.290+002	5.330+002	5.350+002	5.410+002	5.530+002	5.600+002	5.690+002	5.810+002
THALL @ 12.625 INCHES	5.410+002	5.450+002	5.420+002	5.520+002	5.570+002	5.710+002	5.860+002	6.030+002
THALL @ 15.0 INCHES	5.510+002	5.390+002	5.420+002	5.530+002	5.490+002	5.710+002	5.660+002	5.830+002
THALL @ 17.125 INCHES	5.820+002	5.620+002	5.820+002	6.110+002	6.290+002	6.700+002	6.890+002	7.160+002
THALL @ 20.0 INCHES	6.070+002	6.040+002	6.720+002	7.750+002	8.270+002	8.790+002	9.240+002	9.690+002
THALL @ 22.625 INCHES	6.280+002	6.470+002	5.760+002	9.090+002	1.018+003	1.047+003	1.067+003	1.097+003
THALL @ 25.25 INCHES	6.540+002	6.450+002	7.220+002	8.160+002	9.430+002	9.910+002	1.033+003	1.073+003
THALL @ 28.75 INCHES	6.710+002	6.760+002	7.320+002	8.060+002	9.350+002	9.950+002	1.049+003	1.094+003
THALL @ 32.5 INCHES	6.950+002	7.180+002	8.020+002	9.200+002	1.068+003	1.127+003	1.191+003	1.222+003
THALL @ 36.0 INCHES	7.000+002	7.460+002	8.720+002	1.027+003	1.213+003	1.210+003	1.244+003	1.267+003
THALL @ 39.5 INCHES	7.330+002	7.730+002	8.840+002	1.020+003	1.165+003	1.160+003	1.173+003	1.188+003
THALL @ 42.75 INCHES	7.750+002	9.270+002	1.037+003	1.108+003	1.371+003	1.327+003	1.347+003	1.325+003
THALL @ 46.125 INCHES	8.130+002	9.440+002	1.058+003	1.135+003	1.215+003	1.211+003	1.226+003	1.213+003
THALL @ 49.5 INCHES	8.270+002	9.460+002	1.024+003	1.113+003	1.216+003	1.214+003	1.233+003	1.228+003
THALL @ 53.25 INCHES	8.540+002	9.440+002	9.290+002	1.044+003	1.119+003	1.154+003	1.091+003	1.223+003
THALL @ 57.0 INCHES	8.690+002	9.870+002	9.680+002	1.053+003	1.082+003	1.116+003	1.035+003	1.123+003
THALL @ 60.25 INCHES	8.940+002	9.080+002	9.820+002	9.930+002	1.014+003	1.049+003	1.035+003	1.036+003
THALL @ 64.125 INCHES	9.260+002	9.250+002	9.610+002	1.003+003	9.990+002	1.026+003	1.035+003	1.024+003
THALL @ 67.375 INCHES	9.390+002	9.560+002	9.720+002	9.680+002	9.890+002	1.009+003	1.009+003	1.039+003
THALL @ 71.0 INCHES	9.490+002	9.800+002	9.830+002	9.900+002	9.950+002	1.003+003	1.003+003	1.032+003
THALL @ 74.125 INCHES	9.630+002	9.900+002	9.940+002	9.990+002	1.002+003	1.012+003	1.005+003	1.027+003
THALL @ 77.0 INCHES	9.790+002	1.005+003	1.013+003	1.019+003	1.021+003	1.028+003	1.021+003	1.035+003
FUEL PRES @ 0.0 INCHES PSIG	4.362+002	4.412+002	4.408+002	4.447+002	4.702+002	4.585+002	4.596+002	4.660+002
FUEL PRES @ 24.0 INCHES PSIG	4.305+002	4.355+002	3.809+002	4.308+002	4.627+002	4.525+002	4.530+002	4.593+002
FUEL PRES @ 48.0 INCHES PSIG	4.269+002	4.296+002	4.305+002	4.331+002	4.487+002	4.394+002	4.399+002	4.435+002
FUEL PRES @ 72.0 INCHES PSIG	4.181+002	4.125+002	4.198+002	4.109+002	4.214+002	4.214+002	4.199+002	4.191+002
FUEL PRES @ 96.0 INCHES PSIG	3.905+002	3.898+002	3.877+002	3.876+002	3.912+002	3.894+002	3.904+002	3.910+002
FUEL INLET TEMP	7.500+001	7.800+001	8.430+001	9.100+001	9.900+001	9.900+001	1.000+002	1.000+002
FUEL TEMP @ 24.0 INCHES DEG F	3.670+002	3.660+002	3.660+002	3.660+002	3.660+002	3.670+002	3.720+002	3.720+002
FUEL TEMP @ 48.0 INCHES DEG F	5.710+002	5.660+002	5.830+002	6.000+002	6.420+002	6.740+002	7.170+002	7.540+002
FUEL TEMP @ 72.0 INCHES DEG F	7.590+002	7.620+002	7.720+002	7.790+002	7.890+002	7.950+002	7.840+002	7.820+002
FUEL TEMP @ 96.0 INCHES DEG F	8.240+002	9.060+002	8.960+002	8.950+002	8.950+002	8.940+002	8.930+002	8.860+002
FUEL RATE LB/HR	6.030+001	6.011+001	5.962+001	5.980+001	6.568+001	5.952+001	6.038+001	6.140+001
OVERFLOUT AMPS	1.269+002	1.256+002	1.226+002	1.221+002	1.261+002	1.196+002	1.179+002	1.191+002
WATER VENTS	7.390+001	7.420+001	7.310+001	7.362+001	7.697+001	7.307+001	7.292+001	7.360+001
FUEL TEMP @ 24.0 INCHES DEG F	8.823+000	8.660+000	8.507+000	8.582+000	9.200+000	8.282+000	8.152+000	8.307+000
FUEL TEMP @ 48.0 INCHES DEG F	4.995+001	4.960+001	4.779+001	4.767+001	5.163+001	4.652+001	4.579+001	4.667+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 6 JUNE 2, 1982

TIME	MIN	.000	9.000+001	1.000+002	2.700+002	3.600+002	4.500+002	5.400+002	6.300+002
REVOLDS NUMBER	0.0	INCHES	2.353+003	2.325+003	2.336+003	2.313+003	2.540+003	2.302+003	2.335+003
REVOLDS NUMBER	0.12.0	INCHES	7.828+003	7.733+003	7.670+003	7.693+003	8.450+003	7.657+003	7.768+003
REVOLDS NUMBER	0.36.0	INCHES	2.053+004	2.028+004	2.012+004	2.018+004	2.216+004	2.008+004	2.037+004
REVOLDS NUMBER	0.60.0	INCHES	3.837+004	3.791+004	3.760+004	3.771+004	4.142+004	3.754+004	3.808+004
REVOLDS NUMBER	0.84.0	INCHES	1.919+005	1.896+005	1.880+005	1.886+005	2.071+005	1.877+005	1.904+005
FRICTION FACTOR	0.0	INCHES	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR	0.12.0	INCHES	1.211+002	1.244+002	1.145+001	1.339+002	1.372+002	1.434+002	1.414+002
FRICTION FACTOR	0.36.0	INCHES	6.577+003	1.094+002	-7.545+002	1.079+002	2.191+002	2.507+002	2.426+002
FRICTION FACTOR	0.60.0	INCHES	1.330+002	1.719+002	1.600+002	2.210+002	2.547+002	2.835+002	3.060+002
FRICTION FACTOR	0.84.0	INCHES	1.664+002	1.784+002	1.933+002	1.966+002	1.970+002	2.028+002	1.817+002
U	1.125	IN. BTU/FT2-SEC-F	1.019+001	1.013+001	1.043+001	1.077+001	1.179+001	1.057+001	1.021+001
U	2.5	IN. BTU/FT2-SEC-F	8.619+002	8.138+002	7.651+002	7.160+002	7.054+002	5.447+002	5.162+002
U	4.125	IN. BTU/FT2-SEC-F	7.905+002	7.565+002	6.970+002	6.410+002	6.920+002	5.717+002	5.332+002
U	5.5	IN. BTU/FT2-SEC-F	8.121+002	8.435+002	7.884+002	7.708+002	8.818+002	7.601+002	7.493+002
U	7.0	IN. BTU/FT2-SEC-F	9.741+002	1.137+001	1.152+001	1.231+001	1.364+001	1.241+001	1.196+001
U	8.5	IN. BTU/FT2-SEC-F	1.160+001	1.289+001	1.289+001	1.313+001	1.441+001	1.287+001	1.232+001
U	10.125	IN. BTU/FT2-SEC-F	1.361+001	1.433+001	1.406+001	1.421+001	1.567+001	1.398+001	1.344+001
U	12.625	IN. BTU/FT2-SEC-F	1.646+001	1.643+001	1.596+001	1.604+001	1.732+001	1.544+001	1.485+001
U	15.0	IN. BTU/FT2-SEC-F	1.820+001	1.817+001	1.741+001	1.713+001	1.798+001	1.601+001	1.539+001
U	17.125	IN. BTU/FT2-SEC-F	2.034+001	1.990+001	1.899+001	1.858+001	1.917+001	1.682+001	1.603+001
U	20.0	IN. BTU/FT2-SEC-F	2.243+001	2.192+001	2.136+001	2.049+001	2.165+001	1.841+001	1.711+001
U	22.625	IN. BTU/FT2-SEC-F	2.409+001	2.500+001	2.454+001	2.327+001	2.702+001	2.250+001	2.123+001
U	25.25	IN. BTU/FT2-SEC-F	2.932+001	3.079+001	2.907+001	2.730+001	3.016+001	2.406+001	2.274+001
U	28.75	IN. BTU/FT2-SEC-F	2.861+001	3.213+001	2.736+001	2.351+001	2.332+001	1.792+001	1.632+001
U	32.5	IN. BTU/FT2-SEC-F	2.978+001	3.016+001	2.653+001	1.426+001	1.333+001	1.058+001	9.446+002
U	36.0	IN. BTU/FT2-SEC-F	3.142+001	2.791+001	4.466+001	1.038+001	9.413+002	8.049+002	7.657+002
U	39.5	IN. BTU/FT2-SEC-F	3.218+001	3.397+001	2.140+001	1.509+001	1.150+001	9.451+002	8.571+002
U	43.0	IN. BTU/FT2-SEC-F	3.506+001	3.369+001	2.348+001	1.725+001	1.259+001	9.973+002	8.797+002
U	46.75	IN. BTU/FT2-SEC-F	3.711+001	3.152+001	1.978+001	1.331+001	1.018+001	8.211+002	7.261+002
U	49.5	IN. BTU/FT2-SEC-F	4.260+001	3.044+001	1.618+001	1.078+001	8.200+002	7.324+002	6.925+002
U	53.25	IN. BTU/FT2-SEC-F	4.133+001	3.089+001	1.759+001	1.174+001	9.347+002	8.492+002	8.164+002
U	57.0	IN. BTU/FT2-SEC-F	3.742+001	1.536+001	8.367+002	6.474+002	7.084+002	6.767+002	6.490+002
U	60.25	IN. BTU/FT2-SEC-F	3.953+001	1.911+001	1.291+001	1.085+001	1.003+001	9.086+002	8.542+002
U	64.125	IN. BTU/FT2-SEC-F	4.318+001	2.014+001	1.325+001	1.074+001	9.633+002	9.057+002	8.661+002
U	67.375	IN. BTU/FT2-SEC-F	4.793+001	2.226+001	1.586+001	1.227+001	1.048+001	9.471+002	8.974+002
U	71.0	IN. BTU/FT2-SEC-F	4.658+001	2.577+001	2.687+001	1.635+001	1.405+001	1.155+001	5.097+001
U	74.125	IN. BTU/FT2-SEC-F	5.095+001	2.300+001	2.425+001	1.668+001	1.661+001	1.356+001	1.431+001
U	78.0	IN. BTU/FT2-SEC-F	4.934+001	4.311+001	2.525+001	2.332+001	2.336+001	1.616+001	1.890+001
U	81.5	IN. BTU/FT2-SEC-F	4.393+001	4.414+001	3.217+001	2.512+001	2.770+001	2.178+001	2.057+001
U	85.0	IN. BTU/FT2-SEC-F	4.674+001	4.011+001	3.416+001	3.071+001	3.294+001	2.630+001	2.509+001
U	88.5	IN. BTU/FT2-SEC-F	5.140+001	3.876+001	3.643+001	3.464+001	3.609+001	2.979+001	3.029+001
U	91.75	IN. BTU/FT2-SEC-F	5.377+001	4.144+001	3.857+001	3.714+001	3.918+001	3.270+001	3.374+001
U	95.0	IN. BTU/FT2-SEC-F	5.512+001	4.260+001	3.834+001	3.665+001	3.897+001	3.332+001	3.453+001

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 6 JUNE 2, 1982

TABLE 3

TIME	MIN	.000	9.000+001	1.800+002	2.700+002	3.600+002	4.500+002	5.400+002	6.300+002
THK	3	1.125	INCHES	MILS					
THK	3	2.5	INCHES	MILS					
THK	3	4.125	INCHES	MILS					
THK	3	5.5	INCHES	MILS					
THK	3	7.0	INCHES	MILS					
THK	3	8.5	INCHES	MILS					
THK	3	10.125	INCHES	MILS					
THK	3	12.625	INCHES	MILS					
THK	3	15.0	INCHES	MILS					
THK	3	17.125	INCHES	MILS					
THK	3	20.0	INCHES	MILS					
THK	3	22.625	INCHES	MILS					
THK	3	25.25	INCHES	MILS					
THK	3	28.75	INCHES	MILS					
THK	3	32.5	INCHES	MILS					
THK	3	36.0	INCHES	MILS					
THK	3	39.5	INCHES	MILS					
THK	3	43.0	INCHES	MILS					
THK	3	46.75	INCHES	MILS					
THK	3	49.5	INCHES	MILS					
THK	3	53.25	INCHES	MILS					
THK	3	57.0	INCHES	MILS					
THK	3	60.25	INCHES	MILS					
THK	3	64.125	INCHES	MILS					
THK	3	67.375	INCHES	MILS					
THK	3	71.0	INCHES	MILS					
THK	3	74.125	INCHES	MILS					
THK	3	78.0	INCHES	MILS					
THK	3	81.5	INCHES	MILS					
THK	3	85.0	INCHES	MILS					
THK	3	88.5	INCHES	MILS					
THK	3	91.75	INCHES	MILS					
THK	3	95.0	INCHES	MILS					

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 7
JUNE 4, 1962

TIME MIN	.000	1.062+001	2.062+001	3.062+001	4.062+001	5.062+001	6.062+001	7.062+001
TWALL @ 1.125 INCHES	6.170+002	6.080+002	6.130+002	6.100+002	6.110+002	5.950+002	6.030+002	1.420+002
TWALL @ 2.5 INCHES	7.110+002	7.080+002	7.150+002	7.140+002	7.210+002	7.140+002	7.300+002	1.530+002
TWALL @ 4.125 INCHES	7.480+002	7.500+002	7.640+002	7.700+002	7.800+002	7.840+002	7.940+002	1.890+002
TWALL @ 5.5 INCHES	7.510+002	7.490+002	7.550+002	7.530+002	7.560+002	7.500+002	7.550+002	2.020+002
TWALL @ 7.0 INCHES	6.970+002	6.850+002	6.820+002	6.690+002	6.640+002	6.490+002	6.510+002	2.100+002
TWALL @ 8.5 INCHES	6.220+002	6.120+002	6.070+002	6.040+002	6.010+002	5.950+002	5.990+002	2.090+002
TWALL @ 10.125 INCHES	5.820+002	5.730+002	5.750+002	5.740+002	5.740+002	5.730+002	5.750+002	2.020+002
TWALL @ 12.625 INCHES	5.620+002	5.560+002	5.560+002	5.570+002	5.580+002	5.590+002	5.600+002	1.930+002
TWALL @ 15.0 INCHES	5.610+002	5.550+002	5.560+002	5.570+002	5.570+002	5.550+002	5.610+002	1.910+002
TWALL @ 17.125 INCHES	5.530+002	5.480+002	5.500+002	5.500+002	5.520+002	5.550+002	5.570+002	1.950+002
TWALL @ 20.0 INCHES	5.740+002	5.680+002	5.690+002	5.690+002	5.700+002	5.730+002	5.740+002	2.010+002
TWALL @ 22.625 INCHES	5.770+002	5.710+002	5.710+002	5.710+002	5.720+002	5.750+002	5.760+002	2.130+002
TWALL @ 25.25 INCHES	5.070+002	4.980+002	4.970+002	4.980+002	4.990+002	5.020+002	5.030+002	1.950+002
TWALL @ 28.75 INCHES	5.300+002	5.240+002	5.250+002	5.280+002	5.260+002	5.300+002	5.300+002	1.970+002
TWALL @ 32.5 INCHES	5.490+002	5.420+002	5.430+002	5.460+002	5.440+002	5.470+002	5.470+002	1.980+002
TWALL @ 36.0 INCHES	5.630+002	5.590+002	5.590+002	5.610+002	5.590+002	5.620+002	5.620+002	2.020+002
TWALL @ 39.5 INCHES	5.820+002	5.770+002	5.760+002	5.780+002	5.760+002	5.780+002	5.790+002	2.040+002
TWALL @ 43.0 INCHES	6.000+002	5.940+002	5.930+002	5.950+002	5.930+002	5.960+002	5.970+002	2.080+002
TWALL @ 46.75 INCHES	6.190+002	6.130+002	6.100+002	6.140+002	6.120+002	6.170+002	6.190+002	2.300+002
TWALL @ 49.5 INCHES	7.110+002	7.060+002	7.060+002	7.160+002	7.220+002	7.500+002	7.500+002	2.410+002
TWALL @ 53.25 INCHES	7.690+002	7.330+002	7.370+002	7.550+002	7.660+002	7.850+002	8.040+002	2.640+002
TWALL @ 57.0 INCHES	7.790+002	7.550+002	7.720+002	7.920+002	8.010+002	8.130+002	8.290+002	2.680+002
TWALL @ 60.25 INCHES	7.980+002	7.900+002	8.230+002	8.540+002	8.770+002	9.100+002	9.460+002	2.260+002
TWALL @ 64.125 INCHES	8.120+002	8.300+002	8.600+002	9.050+002	9.290+002	9.600+002	9.930+002	3.050+002
TWALL @ 67.375 INCHES	8.300+002	8.520+002	8.940+002	9.330+002	9.640+002	1.002+003	1.039+003	3.370+002
TWALL @ 71.0 INCHES	8.420+002	8.720+002	9.140+002	9.580+002	9.940+002	1.036+003	1.074+003	3.520+002
TWALL @ 74.125 INCHES	8.720+002	9.350+002	9.780+002	9.750+002	1.018+003	1.052+003	1.071+003	3.060+002
TWALL @ 78.0 INCHES	9.020+002	9.600+002	9.800+002	9.930+002	9.940+002	9.810+002	9.750+002	3.490+002
TWALL @ 81.5 INCHES	9.310+002	9.760+002	9.840+002	9.650+002	9.500+002	9.580+002	9.660+002	3.530+002
TWALL @ 85.0 INCHES	9.440+002	9.680+002	9.710+002	9.650+002	9.710+002	9.740+002	9.790+002	3.560+002
TWALL @ 88.5 INCHES	9.480+002	9.620+002	9.710+002	9.680+002	9.760+002	9.820+002	9.860+002	3.680+002
TWALL @ 91.75 INCHES	9.740+002	9.830+002	9.930+002	9.930+002	9.830+002	9.940+002	9.980+002	3.820+002
TWALL @ 95.0 INCHES	4.341+002	4.373+002	4.367+002	4.425+002	4.447+002	4.435+002	4.464+002	4.310+002
FUEL PRES @ 0.0 INCHES PSIG	4.291+002	4.322+002	4.339+002	4.375+002	4.398+002	4.385+002	4.413+002	2.610+002
FUEL PRES @ 24.0 INCHES PSIG	4.341+002	4.373+002	4.367+002	4.425+002	4.447+002	4.435+002	4.464+002	2.432+002
FUEL PRES @ 48.0 INCHES PSIG	4.341+002	4.373+002	4.367+002	4.425+002	4.447+002	4.435+002	4.464+002	2.432+002
FUEL PRES @ 72.0 INCHES PSIG	3.930+002	3.946+002	3.953+002	3.979+002	3.984+002	3.950+002	3.962+002	2.423+002
FUEL PRES @ 96.0 INCHES PSIG	7.300+001	7.300+001	7.500+001	7.500+001	7.600+001	7.600+001	7.500+001	7.200+001
FUEL INLET TEMP	4.160+002	4.160+002	4.170+002	4.180+002	4.170+002	4.210+002	4.180+002	1.770+002
FUEL TEMP @ 24.0 INCHES DEG F	5.330+002	5.300+002	5.310+002	5.310+002	5.320+002	5.350+002	5.330+002	2.100+002
FUEL TEMP @ 48.0 INCHES DEG F	7.450+002	7.470+002	7.510+002	7.560+002	7.600+002	7.620+002	7.660+002	2.440+002
FUEL TEMP @ 72.0 INCHES DEG F	8.970+002	8.900+002	8.960+002	8.970+002	9.030+002	9.070+002	9.140+002	3.490+002
FUEL TEMP @ 96.0 INCHES DEG F	5.900+001	5.935+001	5.896+001	5.933+001	5.895+001	5.937+001	5.956+001	9.840+000
FUEL RATE LB/HR	1.312+002	1.300+002	1.317+002	1.306+002	1.310+002	1.315+002	1.318+002	7.940+002
COMBUSTION	7.270+001	7.263+001	7.332+001	7.317+001	7.317+001	7.401+001	7.418+001	1.585+002
VELOCITY	2.070+000	2.067+000	2.152+000	2.055+000	2.036+000	2.077+000	2.063+000	1.694+000
TEMP	5.077+001	5.026+001	5.151+001	5.057+001	5.103+001	5.177+001	5.206+001	6.192+000
PISTON								

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 7 JUNE 4, 1982

TIME MIN	.000	1.062+001	2.062+001	3.062+001	4.062+001	5.062+001	6.062+001	7.062+001
REYNOLDS NUMBER @ 0.0 INCHES	2.263+003	2.246+003	2.231+003	2.245+003	2.219+003	2.246+003	2.254+003	3.726+002
REYNOLDS NUMBER @ 12.0 INCHES	8.786+003	8.719+003	8.663+003	8.717+003	8.616+003	8.723+003	8.751+003	1.447+003
REYNOLDS NUMBER @ 36.0 INCHES	2.053+004	2.037+004	2.024+004	2.037+004	2.013+004	2.033+004	2.045+004	3.361+003
REYNOLDS NUMBER @ 60.0 INCHES	3.452+004	3.426+004	3.403+004	3.425+004	3.385+004	3.427+004	3.439+004	5.685+003
REYNOLDS NUMBER @ 84.0 INCHES	1.809+005	1.786+005	1.775+005	1.786+005	1.765+005	1.787+005	1.793+005	2.965+004
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.082+002	1.109+002	1.073+002	1.088+002	1.107+002	1.106+002	1.100+002	-1.420+000
FRICTION FACTOR @ 36.0 INCHES	-9.443+003	-9.677+003	-9.360+003	-9.495+003	-9.655+003	-9.647+003	-9.594+003	1.239+000
FRICTION FACTOR @ 60.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 84.0 INCHES	2.697+002	2.903+002	2.928+002	3.040+002	3.231+002	3.303+002	3.392+002	2.273+002
U @ 1.125 IN. BTU/FT2-SEC-F	9.617+002	9.685+002	9.812+002	9.764+002	9.778+002	1.025+001	1.013+001	1.586+007
U @ 2.5 IN. BTU/FT2-SEC-F	8.430+002	8.386+002	8.479+002	8.494+002	8.335+002	8.572+002	8.379+002	1.696+007
U @ 4.125 IN. BTU/FT2-SEC-F	8.241+002	8.131+002	8.133+002	7.972+002	7.875+002	7.957+002	7.863+002	1.471+007
U @ 5.5 IN. BTU/FT2-SEC-F	8.470+002	8.413+002	8.506+002	8.458+002	8.444+002	8.670+002	8.628+002	1.665+007
U @ 7.0 IN. BTU/FT2-SEC-F	9.690+002	9.816+002	1.010+001	1.026+001	1.040+001	1.090+001	1.089+001	2.271+007
U @ 8.5 IN. BTU/FT2-SEC-F	1.180+001	1.204+001	1.240+001	1.242+001	1.255+001	1.295+001	1.287+001	5.779+007
U @ 10.125 IN. BTU/FT2-SEC-F	1.394+001	1.414+001	1.439+001	1.428+001	1.432+001	1.460+001	1.457+001	5.344+007
U @ 12.625 IN. BTU/FT2-SEC-F	1.645+001	1.661+001	1.699+001	1.676+001	1.676+001	1.698+001	1.698+001	-1.389+007
U @ 15.0 IN. BTU/FT2-SEC-F	1.855+001	1.878+001	1.914+001	1.887+001	1.893+001	1.910+001	1.903+001	-6.787+008
U @ 17.125 IN. BTU/FT2-SEC-F	2.150+001	2.183+001	2.213+001	2.190+001	2.179+001	2.187+001	2.176+001	-6.837+008
U @ 20.0 IN. BTU/FT2-SEC-F	2.360+001	2.403+001	2.446+001	2.420+001	2.417+001	2.423+001	2.419+001	-5.317+008
U @ 22.625 IN. BTU/FT2-SEC-F	2.810+001	2.878+001	2.943+001	2.912+001	2.906+001	2.904+001	2.898+001	-4.577+008
U @ 25.25 IN. BTU/FT2-SEC-F	5.920+001	6.621+001	6.663+001	6.701+001	6.635+001	6.493+001	6.434+001	-3.695+008
U @ 28.75 IN. BTU/FT2-SEC-F	5.589+001	5.923+001	5.988+001	5.725+001	5.877+001	5.711+001	5.731+001	-3.494+008
U @ 32.5 IN. BTU/FT2-SEC-F	5.545+001	5.943+001	6.008+001	5.743+001	5.895+001	5.793+001	5.813+001	-3.235+008
U @ 36.0 IN. BTU/FT2-SEC-F	5.737+001	5.947+001	6.084+001	5.880+001	6.040+001	5.929+001	5.950+001	-3.080+008
U @ 39.5 IN. BTU/FT2-SEC-F	5.614+001	5.882+001	6.098+001	5.885+001	6.044+001	6.002+001	5.954+001	-2.918+008
U @ 43.0 IN. BTU/FT2-SEC-F	5.556+001	5.887+001	6.093+001	5.887+001	6.049+001	5.930+001	5.891+001	-2.791+008
U @ 46.75 IN. BTU/FT2-SEC-F	5.513+001	5.837+001	6.187+001	5.860+001	5.990+001	5.759+001	5.653+001	-2.826+008
U @ 49.5 IN. BTU/FT2-SEC-F	3.082+001	3.146+001	3.218+001	2.996+001	2.904+001	2.734+001	2.555+001	-2.749+008
U @ 53.25 IN. BTU/FT2-SEC-F	3.141+001	3.271+001	3.261+001	2.896+001	2.735+001	2.523+001	2.318+001	-2.641+008
U @ 57.0 IN. BTU/FT2-SEC-F	3.244+001	3.527+001	3.223+001	2.834+001	2.707+001	2.508+001	2.405+001	-2.436+008
U @ 60.25 IN. BTU/FT2-SEC-F	3.655+001	3.378+001	2.828+001	2.390+001	2.164+001	1.930+001	1.708+001	-2.021+008
U @ 64.125 IN. BTU/FT2-SEC-F	4.142+001	3.252+001	2.670+001	2.216+001	2.013+001	1.823+001	1.639+001	-2.265+008
U @ 67.375 IN. BTU/FT2-SEC-F	4.707+001	3.399+001	2.703+001	2.223+001	1.964+001	1.742+001	1.555+001	-2.206+008
U @ 71.0 IN. BTU/FT2-SEC-F	5.411+001	3.700+001	2.891+001	2.293+001	1.979+001	1.730+001	1.541+001	-1.934+003
U @ 74.125 IN. BTU/FT2-SEC-F	6.077+001	3.708+001	2.863+001	2.369+001	1.966+001	1.767+001	1.666+001	-1.655+008
U @ 78.0 IN. BTU/FT2-SEC-F	5.705+001	3.306+001	2.636+001	2.422+001	2.422+001	2.620+001	2.711+001	-1.934+003
U @ 81.5 IN. BTU/FT2-SEC-F	5.243+001	3.246+001	2.907+001	3.182+001	3.339+001	3.375+001	3.237+001	-1.856+008
U @ 85.0 IN. BTU/FT2-SEC-F	4.897+001	3.390+001	3.291+001	3.695+001	3.552+001	3.537+001	3.432+001	-1.780+008
U @ 89.5 IN. BTU/FT2-SEC-F	5.372+001	4.241+001	4.231+001	4.292+001	4.034+001	3.914+001	3.814+001	-1.743+008
U @ 91.75 IN. BTU/FT2-SEC-F	6.516+001	5.468+001	5.074+001	4.942+001	4.520+001	4.187+001	4.070+001	-1.719+008
U @ 95.0 IN. BTU/FT2-SEC-F	6.092+001	5.443+001	5.004+001	4.971+001	4.464+001	4.011+001	3.924+001	-1.856+003

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 7
JUNE 4, 1962

TIME	MIN	.000	1.062+001	2.062+001	3.062+001	4.062+001	5.062+001	6.062+001	7.062+001
THK	3 1.125 INCHES	MILS	-2.911-002	-8.268-002	-6.281-002	-6.867-002	-2.560-001	-2.106-001	2.523+006
THK	3 2.5 INCHES	MILS	2.464-002	-2.770-002	1.474-002	5.368-002	-7.856-002	2.850-002	2.110+006
THK	3 4.125 INCHES	MILS	6.554-002	6.433-002	1.639-001	2.255-001	1.735-001	2.333-001	2.719+006
THK	3 5.5 INCHES	MILS	3.237-002	-1.963-002	6.914-003	1.461-002	-1.069-001	-8.619-002	2.402+006
THK	3 7.0 INCHES	MILS	-5.330-002	-1.679-001	-2.279-001	-2.801-001	-4.585-001	-4.557-001	1.762+006
THK	3 8.5 INCHES	MILS	-4.515-002	-1.429-001	-1.478-001	-1.821-001	-2.803-001	-2.601-001	6.921+005
THK	3 10.125 INCHES	MILS	-4.229-002	-9.085-002	-6.827-002	-7.764-002	-1.309-001	-1.246-001	-7.405+005
THK	3 12.625 INCHES	MILS	-2.290-002	7.682-002	-4.386-002	-4.400-002	-7.523-002	-7.556-002	-2.801+006
THK	3 15.0 INCHES	MILS	-2.571-002	-6.563-002	-3.540-002	-4.257-002	-6.162-002	-5.336-002	-4.594+006
THK	3 17.125 INCHES	MILS	-2.084-002	-4.632-002	-2.705-002	-1.740-002	-2.430-002	-1.516-002	-5.851+006
THK	3 20.0 INCHES	MILS	-3.042-002	-5.972-002	-4.248-002	-4.017-002	-4.404-002	-4.197-002	-7.523+006
THK	3 22.625 INCHES	MILS	-3.320-002	-6.433-002	-4.924-002	-4.660-002	-4.592-002	-4.292-002	-8.740+006
THK	3 25.25 INCHES	MILS	-6.479-002	-8.610-002	-7.202-002	-6.618-002	-5.280-002	-4.730-002	-1.082+007
THK	3 28.75 INCHES	MILS	-4.044-002	-4.778-002	-1.706-002	-3.508-002	-1.534-002	-1.772-002	-1.145+007
THK	3 32.5 INCHES	MILS	-4.834-002	-5.563-002	-2.494-002	-4.294-002	-3.008-002	-3.323-002	-1.237+007
THK	3 36.0 INCHES	MILS	-2.471-002	-3.977-002	-1.703-002	-3.498-002	-2.265-002	-2.495-002	-1.299+007
THK	3 39.5 INCHES	MILS	-3.251-002	-5.552-002	-3.279-002	-5.073-002	-4.611-002	-4.069-002	-1.371+007
THK	3 43.0 INCHES	MILS	-4.039-002	-6.339-002	-4.066-002	-5.861-002	-4.627-002	-4.088-002	-1.433+007
THK	3 46.75 INCHES	MILS	-4.034-002	-7.902-002	-4.067-002	-5.864-002	-3.097-002	-1.796-002	-1.415+007
THK	3 49.5 INCHES	MILS	-2.652-002	-5.500-002	3.690-002	7.946-002	1.649-001	2.675-001	-1.455+007
THK	3 53.25 INCHES	MILS	-5.065-002	-4.691-002	1.077-001	1.893-001	3.119-001	4.525-001	-1.503+007
THK	3 57.0 INCHES	MILS	-9.882-002	8.059-003	1.726-001	2.444-001	3.128-001	4.305-001	-1.662+007
THK	3 60.25 INCHES	MILS	9.865-002	3.289-001	5.878-001	7.624-001	9.657-001	1.256+000	-1.979+007
THK	3 66.125 INCHES	MILS	2.646-001	5.327-001	8.396-001	1.022+000	1.228+000	1.474+000	-1.766+007
THK	3 67.375 INCHES	MILS	3.271-001	6.275-001	9.500-001	1.187+000	1.447+000	1.723+000	-1.750+007
THK	3 71.0 INCHES	MILS	3.418-001	6.444-001	1.005+000	1.282+000	1.572+000	1.856+000	-1.831+007
THK	3 76.125 INCHES	MILS	4.206-001	7.328-001	1.045+000	1.376+000	1.605+000	1.743+000	-2.157+007
THK	3 78.0 INCHES	MILS	5.086-001	8.161-001	9.502-001	9.525-001	8.253-001	7.740-001	-2.069+007
THK	3 81.5 INCHES	MILS	4.694-001	6.130-001	4.940-001	4.349-001	4.154-001	4.729-001	-2.155+007
THK	3 85.0 INCHES	MILS	3.665-001	4.023-001	2.658-001	3.093-001	3.140-001	3.486-001	-2.247+007
THK	3 89.5 INCHES	MILS	1.986-001	2.009-001	1.873-001	2.469-001	2.770-001	3.043-001	-2.295+007
THK	3 91.75 INCHES	MILS	1.177-001	1.714-001	1.955-001	2.711-001	3.415-001	3.690-001	-2.326+007
THK	3 95.0 INCHES	MILS	7.835-002	1.397-001	1.482-001	2.396-001	3.406-001	3.449-001	-2.191+007

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 8 JUNE 8, 1982

TIME MIN		.000	1.000+002	3.600+002	5.400+002	7.200+002	9.000+002	1.000+003
THALL 3 1.125 INCHES	DEG F	5.790+002	5.480+002	5.610+002	5.810+002	6.070+002	6.610+002	7.040+002
THALL 3 2.5 INCHES	DEG F	6.560+002	7.180+002	8.260+002	9.040+002	1.022+003	1.110+003	1.155+003
THALL 3 4.125 INCHES	DEG F	7.400+002	8.380+002	1.008+003	1.140+003	1.170+003	1.184+003	1.194+003
THALL 3 5.5 INCHES	DEG F	7.570+002	8.200+002	8.870+002	9.800+002	9.240+002	9.400+002	9.300+002
THALL 3 7.0 INCHES	DEG F	7.250+002	6.720+002	6.920+002	7.250+002	7.210+002	7.770+002	8.210+002
THALL 3 8.5 INCHES	DEG F	6.670+002	5.970+002	6.150+002	6.400+002	6.790+002	7.620+002	8.210+002
THALL 3 10.125 INCHES	DEG F	6.160+002	5.820+002	6.000+002	6.280+002	6.650+002	7.560+002	8.090+002
THALL 3 12.625 INCHES	DEG F	5.730+002	5.640+002	5.830+002	6.110+002	6.620+002	7.480+002	7.960+002
THALL 3 15.0 INCHES	DEG F	5.660+002	5.670+002	5.900+002	6.220+002	7.090+002	7.880+002	8.420+002
THALL 3 17.125 INCHES	DEG F	5.650+002	5.700+002	5.990+002	6.370+002	7.550+002	8.400+002	9.030+002
THALL 3 20.0 INCHES	DEG F	5.820+002	5.800+002	6.170+002	6.700+002	7.620+002	8.430+002	9.070+002
THALL 3 22.625 INCHES	DEG F	5.820+002	5.950+002	6.410+002	7.150+002	8.040+002	8.940+002	9.170+002
THALL 3 25.25 INCHES	DEG F	5.620+002	5.790+002	6.220+002	6.870+002	8.070+002	9.100+002	9.560+002
THALL 3 28.75 INCHES	DEG F	5.970+002	6.330+002	7.100+002	8.200+002	9.530+002	1.044+003	1.071+003
THALL 3 32.5 INCHES	DEG F	6.160+002	6.580+002	7.650+002	8.730+002	1.048+003	1.132+003	1.162+003
THALL 3 36.0 INCHES	DEG F	6.410+002	6.940+002	8.450+002	9.570+002	1.098+003	1.234+003	1.226+003
THALL 3 39.5 INCHES	DEG F	6.670+002	7.680+002	9.480+002	1.019+003	1.145+003	1.253+003	1.257+003
THALL 3 43.0 INCHES	DEG F	6.900+002	8.510+002	1.017+003	1.071+003	1.184+003	1.272+003	1.280+003
THALL 3 46.75 INCHES	DEG F	7.120+002	9.500+002	1.160+003	1.162+003	1.300+003	1.342+003	1.428+003
THALL 3 49.5 INCHES	DEG F	7.270+002	1.082+003	1.215+003	1.206+003	1.313+003	1.338+003	1.405+003
THALL 3 53.25 INCHES	DEG F	7.680+002	1.187+003	1.236+003	1.191+003	1.231+003	1.258+003	1.279+003
THALL 3 57.0 INCHES	DEG F	7.810+002	1.163+003	1.264+003	1.236+003	1.280+003	1.273+003	1.260+003
THALL 3 60.25 INCHES	DEG F	8.000+002	1.079+003	1.261+003	1.230+003	1.278+003	1.300+003	1.293+003
THALL 3 64.125 INCHES	DEG F	8.110+002	9.560+002	1.105+003	1.067+003	1.228+003	1.274+003	1.273+003
THALL 3 67.375 INCHES	DEG F	8.410+002	9.490+002	1.055+003	9.730+002	1.152+003	1.204+003	1.238+003
THALL 3 71.0 INCHES	DEG F	8.450+002	9.920+002	1.104+003	1.149+003	1.180+003	1.235+003	1.246+003
THALL 3 74.125 INCHES	DEG F	8.660+002	9.920+002	1.039+003	1.106+003	1.156+003	1.203+003	1.230+003
THALL 3 78.0 INCHES	DEG F	8.970+002	9.920+002	1.006+003	1.049+003	1.091+003	1.135+003	1.167+003
THALL 3 81.5 INCHES	DEG F	9.270+002	9.930+002	1.014+003	1.032+003	1.067+003	1.105+003	1.128+003
THALL 3 85.0 INCHES	DEG F	9.090+002	9.500+002	9.800+002	9.880+002	1.014+003	1.051+003	1.072+003
THALL 3 88.5 INCHES	DEG F	9.550+002	9.950+002	1.022+003	1.022+003	1.043+003	1.072+003	1.077+003
THALL 3 91.75 INCHES	DEG F	9.640+002	1.002+003	1.028+003	1.026+003	1.042+003	1.064+003	1.066+003
FUEL PRES 3 0.0 INCHES PSIG	PSIG	4.381+002	4.500+002	4.721+002	4.639+002	4.885+002	5.103+002	5.688+002
FUEL PRES 3 24.0 INCHES PSIG	PSIG	4.316+002	4.430+002	4.632+002	4.552+002	4.756+002	4.969+002	5.577+002
FUEL PRES 3 48.0 INCHES PSIG	PSIG	4.292+002	4.379+002	4.556+002	4.478+002	4.540+002	4.660+002	4.898+002
FUEL PRES 3 72.0 INCHES PSIG	PSIG	4.232+002	4.288+002	4.389+002	4.885+002	4.211+002	4.257+002	4.253+002
FUEL PRES 3 96.0 INCHES PSIG	PSIG	3.937+002	3.979+002	4.039+002	3.997+002	3.891+002	3.902+002	3.837+002
FUEL INLET TEMP	DEG F	7.400+001	8.600+001	9.000+001	9.100+001	8.700+001	8.500+001	9.000+001
FUEL TEMP 3 24.0 INCHES DEG F	DEG F	3.710+002	8.600+001	3.840+002	3.830+002	3.890+002	3.940+002	3.990+002
FUEL TEMP 3 48.0 INCHES DEG F	DEG F	5.800+002	6.220+002	7.000+002	7.550+002	8.210+002	8.670+002	9.010+002
FUEL TEMP 3 72.0 INCHES DEG F	DEG F	7.600+002	7.740+002	7.840+002	7.730+002	7.910+002	7.970+002	7.990+002
FUEL TEMP 3 96.0 INCHES DEG F	DEG F	9.020+002	9.010+002	9.119+002	9.069+002	9.070+002	9.130+002	9.060+002
FLOW RATE LB/HR		5.935+001	6.047+001	6.399+001	6.013+001	5.804+001	5.753+001	5.863+001
CURRENT AMPS		1.175+002	1.162+002	1.194+002	1.137+002	1.115+002	1.150+002	1.137+002
VOLTAGE VOLTS		7.992+001	7.930+001	8.151+001	7.806+001	7.650+001	7.895+001	7.802+001
FUEL RATIO		8.903+000	8.735+000	9.221+000	8.410+000	8.090+000	8.500+000	8.411+000
FUEL RATIO SOFT		5.001+001	4.207+001	5.180+001	4.774+001	4.543+001	4.800+001	4.725+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 8 JUNE 6, 1962

TIME MIN	.000	1.000+002	3.600+002	5.400+002	7.200+002	9.000+002	1.000+003
REVOLDS NUMBER @ 0.0 INCHES	2.269+003	2.313+003	2.448+003	2.300+003	2.234+003	2.201+003	2.242+003
REVOLDS NUMBER @ 12.0 INCHES	7.692+003	7.861+003	8.298+003	7.797+003	7.573+003	7.461+003	7.603+003
REVOLDS NUMBER @ 36.0 INCHES	2.043+004	2.083+004	2.204+004	2.071+004	2.011+004	1.981+004	2.019+004
REVOLDS NUMBER @ 60.0 INCHES	3.807+004	3.881+004	4.107+004	3.859+004	3.748+004	3.692+004	3.763+004
REVOLDS NUMBER @ 84.0 INCHES	1.947+005	1.984+005	2.100+005	1.973+005	1.917+005	1.888+005	1.924+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.443+002	1.510+002	1.691+002	1.900+002	2.992+002	3.174+002	2.530+002
FRICTION FACTOR @ 36.0 INCHES	4.569+003	9.328+003	1.121+002	1.379+002	4.275+002	6.292+002	1.333+001
FRICTION FACTOR @ 60.0 INCHES	9.538+003	1.376+002	2.373+002	6.234+002	5.340+002	6.739+002	1.039+001
FRICTION FACTOR @ 84.0 INCHES	1.774+002	1.796+002	1.811+002	5.206+002	1.983+002	2.274+002	2.563+002
U @ 1.125 IN. BTU/FT2-SEC-F	1.018+001	1.067+001	1.095+001	9.581+001	8.753+002	8.424+002	7.669+002
U @ 2.5 IN. BTU/FT2-SEC-F	9.075+002	8.004+002	7.184+002	5.912+002	4.954+002	4.803+002	4.499+002
U @ 4.125 IN. BTU/FT2-SEC-F	8.133+002	6.883+002	5.866+002	4.655+002	4.315+002	4.559+002	4.428+002
U @ 5.5 IN. BTU/FT2-SEC-F	8.133+002	7.239+002	6.953+002	5.638+002	5.810+002	6.050+002	5.996+002
U @ 7.0 IN. BTU/FT2-SEC-F	8.061+002	9.596+002	9.748+002	8.371+002	8.108+002	7.832+002	7.155+002
U @ 8.5 IN. BTU/FT2-SEC-F	1.025+001	1.175+001	1.189+001	1.025+001	9.090+002	8.283+002	7.362+002
U @ 10.125 IN. BTU/FT2-SEC-F	1.200+001	1.282+001	1.293+001	1.102+001	9.756+002	8.672+002	7.749+002
U @ 12.625 IN. BTU/FT2-SEC-F	1.459+001	1.470+001	1.468+001	1.241+001	1.052+001	9.324+002	8.351+002
U @ 15.0 IN. BTU/FT2-SEC-F	1.632+001	1.597+001	1.568+001	1.304+001	1.011+001	9.137+002	8.113+002
U @ 17.125 IN. BTU/FT2-SEC-F	1.792+001	1.727+001	1.654+001	1.346+001	9.625+002	8.713+002	7.657+002
U @ 20.0 IN. BTU/FT2-SEC-F	2.029+001	1.898+001	1.753+001	1.356+001	1.031+001	9.257+002	8.521+002
U @ 22.625 IN. BTU/FT2-SEC-F	2.193+001	2.036+001	1.805+001	1.309+001	1.010+001	9.141+002	8.392+002
U @ 25.25 IN. BTU/FT2-SEC-F	2.777+001	2.490+001	2.157+001	1.540+001	1.069+001	9.141+002	8.230+002
U @ 28.75 IN. BTU/FT2-SEC-F	2.709+001	2.224+001	1.695+001	1.159+001	8.404+002	7.643+002	7.174+002
U @ 32.5 IN. BTU/FT2-SEC-F	2.925+001	2.394+001	1.619+001	1.104+001	7.535+002	7.027+002	6.590+002
U @ 35.0 IN. BTU/FT2-SEC-F	3.022+001	2.246+001	1.402+001	9.811+002	7.298+002	6.365+002	6.295+002
U @ 39.5 IN. BTU/FT2-SEC-F	3.106+001	1.873+001	1.172+001	8.111+002	7.110+002	6.419+002	6.291+002
U @ 43.0 IN. BTU/FT2-SEC-F	3.257+001	1.568+001	1.078+001	8.838+002	7.016+002	6.563+002	6.354+002
U @ 46.75 IN. BTU/FT2-SEC-F	3.500+001	1.288+001	8.766+002	7.703+002	6.216+002	6.246+002	5.501+002
U @ 49.5 IN. BTU/FT2-SEC-F	3.684+001	1.000+001	8.304+002	7.685+002	6.295+002	6.465+002	5.806+002
U @ 53.25 IN. BTU/FT2-SEC-F	3.355+001	8.645+002	6.400+002	8.264+002	7.559+002	7.559+002	7.163+002
U @ 57.0 IN. BTU/FT2-SEC-F	4.185+001	2.049+001	1.078+001	1.080+001	9.535+002	7.900+002	7.047+002
U @ 60.25 IN. BTU/FT2-SEC-F	4.583+001	9.992+002	9.748+002	8.374+002	7.471+002	8.031+002	8.034+002
U @ 64.125 IN. BTU/FT2-SEC-F	5.048+001	2.127+001	1.364+001	8.020+002	7.609+002	8.059+002	8.627+002
U @ 67.375 IN. BTU/FT2-SEC-F	5.836+001	2.127+001	1.364+001	1.393+001	9.039+002	8.735+002	8.627+002
U @ 71.0 IN. BTU/FT2-SEC-F	5.651+001	2.497+001	1.712+001	2.142+001	1.137+001	1.069+001	9.732+002
U @ 74.125 IN. BTU/FT2-SEC-F	6.905+001	2.236+001	1.563+001	1.255+001	1.115+001	1.044+001	9.930+002
U @ 78.0 IN. BTU/FT2-SEC-F	7.074+001	2.497+001	2.127+001	1.521+001	1.260+001	1.185+001	1.037+001
U @ 81.5 IN. BTU/FT2-SEC-F	6.190+001	2.792+001	2.729+001	2.029+001	1.653+001	1.514+001	1.347+001
U @ 85.0 IN. BTU/FT2-SEC-F	5.552+001	3.144+001	2.925+001	2.422+001	1.975+001	1.801+001	1.623+001
U @ 88.5 IN. BTU/FT2-SEC-F	9.735+001	5.312+001	4.233+001	3.624+001	2.905+001	2.496+001	2.204+001
U @ 91.75 IN. BTU/FT2-SEC-F	6.400+001	4.154+001	3.569+001	3.255+001	2.735+001	2.474+001	2.361+001
U @ 95.0 IN. BTU/FT2-SEC-F	7.344+001	4.633+001	3.927+001	3.636+001	3.114+001	2.875+001	2.731+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 8 JUNE 8, 1962

TIME	MIN	.000	1.800+002	3.600+002	5.400+002	7.200+002	9.000+002	1.080+003
THK	3 1.125 INCHES	MILS	-1.775-001	-2.745-001	2.475-001	6.424-001	8.206-001	1.288+000
THK	3 2.5 INCHES	MILS	5.897-001	1.161+000	2.358+000	3.667+000	3.920+000	4.482+000
THK	3 4.125 INCHES	MILS	8.929-001	1.900+000	3.675+000	4.352+000	3.856+000	4.131+000
THK	3 5.5 INCHES	MILS	6.076-001	8.383-001	2.177+000	1.964+000	1.673+000	1.752+000
THK	3 7.0 INCHES	MILS	-3.457-001	-4.105-001	2.647-001	4.197-001	5.931-001	1.077+000
THK	3 8.5 INCHES	MILS	-4.959-001	-5.361-001	1.582-004	4.909-001	9.274-001	1.532+000
THK	3 10.125 INCHES	MILS	-2.134-001	-2.385-001	2.970-001	7.673-001	1.280+000	1.829+000
THK	3 12.625 INCHES	MILS	-2.091-002	-1.734-002	4.825-001	1.060+000	1.549+000	2.048+000
THK	3 15.0 INCHES	MILS	5.503-002	1.008-001	6.178-001	1.506+000	1.928+000	2.480+000
THK	3 17.125 INCHES	MILS	8.346-002	1.856-001	7.405-001	1.898+000	2.359+000	2.992+000
THK	3 20.0 INCHES	MILS	1.355-001	3.104-001	9.793-001	1.907+000	2.349+000	2.723+000
THK	3 22.625 INCHES	MILS	1.409-001	3.927-001	1.233+000	2.138+000	2.651+000	2.943+000
THK	3 25.25 INCHES	MILS	1.661-001	4.136-001	1.143+000	2.382+000	2.935+000	3.420+000
THK	3 28.75 INCHES	MILS	3.217-001	8.835-001	1.975+000	3.283+000	3.757+000	4.099+000
THK	3 32.5 INCHES	MILS	3.685-001	1.103+000	2.256+000	3.941+000	4.325+000	4.702+000
THK	3 36.0 INCHES	MILS	4.573-001	1.530+000	2.753+000	4.157+000	4.961+000	5.030+000
THK	3 39.5 INCHES	MILS	8.479-001	2.126+000	3.056+000	4.338+000	4.943+000	5.070+000
THK	3 43.0 INCHES	MILS	1.336+000	2.483+000	3.298+000	4.473+000	4.866+000	5.067+000
THK	3 46.75 INCHES	MILS	1.962+000	3.420+000	4.047+000	5.272+000	5.261+000	6.129+000
THK	3 49.5 INCHES	MILS	2.914+000	3.731+000	4.119+000	5.269+000	5.102+000	5.804+000
THK	3 53.25 INCHES	MILS	3.438+000	3.573+000	3.651+000	4.196+000	4.103+000	4.396+000
THK	3 57.0 INCHES	MILS	9.964-001	2.755+000	2.749+000	3.239+000	4.103+000	4.721+000
THK	3 60.25 INCHES	MILS	3.130+000	3.700+000	3.905+000	4.481+000	4.108+000	4.106+000
THK	3 64.125 INCHES	MILS	2.289+000	3.533+000	4.195+000	4.464+000	4.171+000	4.220+000
THK	3 67.375 INCHES	MILS	1.195+000	2.247+000	2.208+000	3.740+000	3.874+000	3.951+000
THK	3 71.0 INCHES	MILS	8.939-001	1.628+000	1.159+000	2.809+000	3.033+000	3.402+000
THK	3 74.125 INCHES	MILS	1.209+000	1.980+000	2.608+000	3.008+000	3.252+000	3.429+000
THK	3 78.0 INCHES	MILS	1.838+000	1.317+000	2.055+000	2.610+000	2.813+000	3.115+000
THK	3 81.5 INCHES	MILS	7.867-001	8.194-001	1.325+000	1.773+000	1.995+000	2.324+000
THK	3 85.0 INCHES	MILS	5.518-001	6.470-001	9.313-001	1.305+000	1.501+000	1.744+000
THK	3 88.5 INCHES	MILS	3.421-001	5.341-001	6.730-001	9.659-001	1.191+000	1.404+000
THK	3 91.75 INCHES	MILS	3.380-001	4.958-001	6.039-001	8.378-001	9.919-001	1.069+000
THK	3 95.0 INCHES	MILS	3.201-001	4.755-001	5.568-001	7.415-001	8.481-001	8.953-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 9
JUNE 11, 1962

TIME MIN	.000	1.200+002	1.210+002	2.110+002	2.260+002	2.270+002	3.470+002	3.480+002
THALL 3 1.125 INCHES	5.370+002	5.230+002	5.200+002	5.190+002	3.320+002	5.210+002	5.150+002	5.070+002
THALL 3 2.5 INCHES	6.300+002	6.340+002	6.410+002	6.870+002	6.000+002	6.920+002	7.500+002	7.490+002
THALL 3 4.125 INCHES	7.230+002	7.290+002	7.300+002	8.110+002	6.410+002	8.360+002	9.240+002	9.140+002
THALL 3 5.5 INCHES	7.200+002	6.740+002	6.700+002	7.190+002	5.930+002	7.500+002	7.970+002	7.940+002
THALL 3 7.0 INCHES	6.510+002	5.550+002	5.500+002	5.540+002	4.840+002	5.580+002	5.490+002	5.440+002
THALL 3 8.5 INCHES	6.050+002	5.360+002	5.400+002	5.440+002	3.950+002	5.400+002	5.460+002	5.450+002
THALL 3 10.125 INCHES	5.690+002	5.300+002	5.350+002	5.370+002	2.720+002	5.330+002	5.410+002	5.400+002
THALL 3 12.625 INCHES	5.390+002	5.170+002	5.230+002	5.300+002	3.210+002	5.250+002	5.330+002	5.320+002
THALL 3 15.0 INCHES	5.200+002	5.160+002	5.200+002	5.300+002	3.260+002	5.250+002	5.360+002	5.350+002
THALL 3 17.125 INCHES	6.660+002	6.370+002	6.490+002	6.520+002	3.980+002	6.430+002	6.540+002	6.510+002
THALL 3 20.0 INCHES	5.380+002	5.290+002	5.340+002	5.480+002	3.660+002	5.440+002	5.600+002	5.580+002
THALL 3 22.625 INCHES	5.550+002	5.460+002	5.540+002	5.660+002	3.720+002	5.420+002	5.640+002	5.620+002
THALL 3 25.25 INCHES	5.550+002	5.540+002	5.550+002	5.770+002	4.030+002	5.740+002	6.010+002	6.000+002
THALL 3 28.75 INCHES	5.730+002	5.780+002	5.780+002	6.240+002	5.110+002	6.280+002	6.880+002	6.870+002
THALL 3 32.5 INCHES	6.000+002	6.430+002	6.460+002	7.810+002	5.360+002	7.930+002	6.880+002	9.390+002
THALL 3 36.0 INCHES	6.260+002	7.340+002	7.510+002	9.530+002	7.110+002	9.740+002	1.151+003	1.156+003
THALL 3 39.5 INCHES	6.530+002	7.280+002	7.420+002	9.420+002	6.970+002	9.580+002	1.121+003	1.124+003
THALL 3 43.0 INCHES	6.700+002	7.040+002	7.140+002	7.910+002	5.630+002	8.000+002	9.340+002	9.340+002
THALL 3 46.75 INCHES	6.940+002	7.640+002	7.740+002	8.610+002	6.090+002	8.680+002	9.660+002	9.680+002
THALL 3 49.5 INCHES	7.150+002	7.950+002	8.080+002	9.100+002	6.510+002	9.240+002	1.045+003	1.047+003
THALL 3 53.25 INCHES	7.450+002	8.240+002	8.370+002	9.420+002	6.560+002	9.520+002	1.011+003	1.052+003
THALL 3 57.0 INCHES	7.660+002	1.029+003	1.030+003	1.012+003	7.700+002	1.182+003	1.011+003	9.980+002
THALL 3 60.25 INCHES	7.870+002	8.850+002	9.980+002	1.077+003	6.340+002	7.700+002	9.900+002	9.900+002
THALL 3 64.125 INCHES	8.040+002	9.760+002	9.910+002	1.130+003	7.570+002	1.041+003	1.213+003	1.076+003
THALL 3 67.375 INCHES	8.240+002	9.430+002	9.560+002	1.009+003	8.000+002	1.006+003	9.050+002	9.110+002
THALL 3 71.0 INCHES	8.370+002	8.980+002	9.880+002	9.430+002	7.610+002	9.410+002	1.069+003	1.039+003
THALL 3 74.125 INCHES	8.550+002	9.000+002	9.070+002	9.510+002	7.210+002	8.940+002	1.069+003	1.058+003
THALL 3 78.0 INCHES	8.640+002	9.150+002	8.880+002	9.450+002	7.410+002	9.110+002	1.042+003	1.038+003
THALL 3 81.5 INCHES	8.990+002	9.270+002	9.270+002	9.450+002	7.430+002	9.010+002	1.039+003	1.037+003
THALL 3 85.0 INCHES	9.110+002	9.370+002	9.440+002	9.700+002	7.530+002	9.220+002	1.024+003	1.016+003
THALL 3 91.75 INCHES	9.390+002	1.012+003	1.015+003	1.025+003	7.790+002	9.660+002	1.032+003	1.023+003
THALL 3 95.0 INCHES	9.710+002	1.021+003	1.024+003	1.027+003	8.010+002	9.930+002	1.038+003	1.030+003
FUEL PRES 3 0.0 INCHES PSIG	4.367+002	4.458+002	4.442+002	4.505+002	4.422+002	4.409+002	4.482+002	4.443+002
FUEL PRES 3 24.0 INCHES PSIG	4.316+002	4.411+002	4.390+002	4.465+002	4.381+002	4.365+002	4.437+002	4.400+002
FUEL PRES 3 48.0 INCHES PSIG	4.277+002	4.348+002	4.331+002	4.394+002	4.306+002	4.292+002	4.357+002	4.317+002
FUEL PRES 3 72.0 INCHES PSIG	4.203+002	4.236+002	4.210+002	4.257+002	4.181+002	4.194+002	4.231+002	4.187+002
FUEL PRES 3 96.0 INCHES PSIG	3.911+002	3.915+002	3.910+002	3.932+002	3.925+002	3.953+002	3.962+002	3.927+002
FUEL INLET TEMP	7.200+001	7.900+001	8.000+001	8.700+001	8.700+001	8.700+001	9.300+001	9.300+001
FUEL TEMP 3 24.0 INCHES DEG F	3.750+002	3.740+002	3.740+002	3.770+002	3.710+002	3.780+002	3.780+002	3.760+002
FUEL TEMP 3 48.0 INCHES DEG F	5.730+002	5.810+002	5.820+002	5.960+002	5.900+002	5.950+002	6.220+002	6.170+002
FUEL TEMP 3 72.0 INCHES DEG F	7.570+002	7.680+002	7.700+002	7.760+002	7.700+002	7.700+002	7.930+002	7.850+002
FUEL TEMP 3 96.0 INCHES DEG F	8.950+002	9.060+002	7.700+002	9.000+002	7.660+002	9.000+002	8.980+002	8.860+002
FICH RATE LB/HR	6.044+001	5.994+001	5.994+001	6.045+001	5.965+001	6.017+001	5.979+001	6.126+001
CURRENT AMPS	1.280+002	1.254+002	1.264+002	1.244+002	1.220+002	1.239+002	1.205+002	1.225+002
VOLTAGE VOLTS	7.410+000	7.380+001	7.467+001	7.464+001	7.261+001	7.436+001	7.339+001	7.440+001
POWER BTU/SEC	8.980+000	8.774+000	8.940+000	8.799+000	8.397+000	8.735+000	8.391+000	8.637+000
FLUX BTU/SEC-SOFT	5.049+001	4.974+001	5.076+001	4.943+001	4.717+001	4.907+001	4.708+001	4.852+001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 9 JUNE 11, 1962

TIME	MIN	4.600+002	4.690+002	5.890+002
THALL	3	5.000+002	5.130+002	5.250+002
THALL	3	8.180+002	8.280+002	9.130+002
THALL	3	9.920+002	1.007+003	1.080+003
THALL	3	8.370+002	8.490+002	9.170+002
THALL	3	5.390+002	5.410+002	5.460+002
THALL	3	5.440+002	5.470+002	5.620+002
THALL	3	5.400+002	5.430+002	5.590+002
THALL	3	5.340+002	5.360+002	5.520+002
THALL	3	5.400+002	5.420+002	5.590+002
THALL	3	5.530+002	5.570+002	5.770+002
THALL	3	5.690+002	5.720+002	5.960+002
THALL	3	5.980+002	6.060+002	6.350+002
THALL	3	6.240+002	6.320+002	6.700+002
THALL	3	7.330+002	7.400+002	8.030+002
THALL	3	1.036+003	1.054+003	1.103+003
THALL	3	1.190+003	1.208+003	1.225+003
THALL	3	1.165+003	1.181+003	1.185+003
THALL	3	1.019+003	1.034+003	1.091+003
THALL	3	1.073+003	1.076+003	1.129+003
THALL	3	1.117+003	1.119+003	1.166+003
THALL	3	1.104+003	1.106+003	1.147+003
THALL	3	1.018+003	1.038+003	1.170+003
THALL	3	1.011+003	1.011+003	1.104+003
THALL	3	1.264+003	1.206+003	1.282+003
THALL	3	1.093+003	1.094+003	1.226+003
THALL	3	1.159+003	1.038+003	1.127+003
THALL	3	1.103+003	1.077+003	1.150+003
THALL	3	1.058+003	1.045+003	1.099+003
THALL	3	1.047+003	1.032+003	1.076+003
THALL	3	1.024+003	1.007+003	1.041+003
THALL	3	1.049+003	1.032+003	1.053+003
THALL	3	1.035+003	1.021+003	1.036+003
THALL	3	1.052+003	1.036+003	1.042+003
FUEL PRES	3	4.505+002	4.538+002	4.630+002
FUEL PRES	3	4.464+002	4.500+002	4.579+002
FUEL PRES	3	4.364+002	4.410+002	4.476+002
FUEL PRES	3	4.215+002	4.257+002	4.282+002
FUEL PRES	3	3.983+002	3.964+002	3.904+002
FUEL INLET TEMP		9.700+001	9.700+001	9.900+001
FUEL TEMP	3	3.790+002	3.790+002	3.810+002
FUEL TEMP	3	6.480+002	6.450+002	6.800+002
FUEL TEMP	3	8.070+002	7.920+002	8.130+002
FUEL TEMP	3	8.800+002	8.950+002	9.010+002
FLOW RATE	LB/Hr	5.917+001	6.035+001	5.996+001
CURRENT	APPS	1.177+002	1.212+002	1.200+002
VOLTAGE	VOLTS	7.198+001	7.456+001	7.416+001
TEMP	BTU/SEC	8.070+000	8.543+000	8.433+000
FLUX	BTU/IN C-50FT	4.510+001	4.810+001	4.737+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 9 JUNE 11, 1962

TIME MIN	.000	1.200+002	1.210+002	2.110+002	2.260+002	2.270+002	3.470+002	3.480+002
REYNOLDS NUMBER @ 0.0 INCHES	2.262+003	2.244+003	2.244+003	2.263+003	2.233+003	2.253+003	2.230+003	2.293+003
REYNOLDS NUMBER @ 12.0 INCHES	7.679+003	7.814+003	7.814+003	7.682+003	7.776+003	7.845+003	7.795+003	7.987+003
REYNOLDS NUMBER @ 36.0 INCHES	2.072+004	2.054+004	2.054+004	2.072+004	2.044+004	2.062+004	2.049+004	2.100+004
REYNOLDS NUMBER @ 60.0 INCHES	3.811+004	3.780+004	3.780+004	3.813+004	3.762+004	3.795+004	3.770+004	3.864+004
REYNOLDS NUMBER @ 84.0 INCHES	1.898+005	1.882+005	1.882+005	1.893+005	1.873+005	1.890+005	1.877+005	1.924+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.107-002	1.040-002	1.129-002	8.559-003	9.023-003	9.599-003	9.671-003	8.935-003
FRICTION FACTOR @ 36.0 INCHES	7.131-003	1.183-002	1.114-002	1.309-002	1.430-002	1.349-002	1.520-002	1.497-002
FRICTION FACTOR @ 60.0 INCHES	1.129-002	1.735-002	1.871-002	2.000-002	1.956-002	1.519-002	1.964-002	1.933-002
FRICTION FACTOR @ 84.0 INCHES	1.808-002	2.019-002	1.808-002	2.012-002	1.625-002	1.502-002	1.696-002	1.564-002
U @ 1.125 IN. BTU/FT2-SEC-F	1.120-001	1.128-001	1.159-001	1.142-001	1.919-001	1.129-001	1.098-001	1.153-001
U @ 2.5 IN. BTU/FT2-SEC-F	9.448-002	9.291-002	9.352-002	8.472-002	9.501-002	8.339-002	7.194-002	7.517-002
U @ 4.125 IN. BTU/FT2-SEC-F	8.430-002	8.147-002	8.187-002	7.196-002	9.124-002	6.892-002	5.896-002	6.142-002
U @ 5.5 IN. BTU/FT2-SEC-F	8.727-002	9.250-002	9.509-002	8.558-002	1.044-001	8.063-002	7.182-002	7.435-002
U @ 7.0 IN. BTU/FT2-SEC-F	1.029-001	1.249-001	1.290-001	1.256-001	1.457-001	1.234-001	1.211-001	1.265-001
U @ 8.5 IN. BTU/FT2-SEC-F	1.186-001	1.382-001	1.394-001	1.355-001	2.187-001	1.360-001	1.284-001	1.327-001
U @ 10.125 IN. BTU/FT2-SEC-F	1.368-001	1.493-001	1.500-001	1.466-001	6.535-001	1.473-001	1.380-001	1.426-001
U @ 12.625 IN. BTU/FT2-SEC-F	1.647-001	1.726-001	1.724-001	1.655-001	5.263-001	1.671-001	1.561-001	1.614-001
U @ 15.0 IN. BTU/FT2-SEC-F	1.894-001	1.936-001	1.943-001	1.840-001	7.298-001	1.861-001	1.714-001	1.773-001
U @ 17.125 IN. BTU/FT2-SEC-F	8.739-002	8.981-002	8.963-002	8.767-002	4.296-001	8.844-002	8.321-002	8.621-002
U @ 20.0 IN. BTU/FT2-SEC-F	2.365-001	2.410-001	2.399-001	2.212-001	1.137+000	2.235-001	1.999-001	2.078-001
U @ 22.625 IN. BTU/FT2-SEC-F	2.558-001	2.617-001	2.560-001	2.372-001	3.205+000	2.662-001	2.080-001	2.162-001
U @ 25.25 IN. BTU/FT2-SEC-F	2.976-001	2.922-001	2.962-001	2.579-001	2.667+000	2.601-001	2.183-001	2.260-001
U @ 28.75 IN. BTU/FT2-SEC-F	3.179-001	3.009-001	3.068-001	2.356-001	4.872-001	2.295-001	1.719-001	1.778-001
U @ 32.5 IN. BTU/FT2-SEC-F	3.260-001	2.491-001	2.502-001	1.472-001	5.190-001	1.411-001	1.938-001	9.824-002
U @ 36.0 IN. BTU/FT2-SEC-F	3.322-001	1.896-001	1.815-001	1.032-001	1.990-001	9.814-002	6.954-002	7.114-002
U @ 39.5 IN. BTU/FT2-SEC-F	3.363-001	2.189-001	2.102-001	1.126-001	2.430-001	1.078-001	7.617-002	7.811-002
U @ 43.0 IN. BTU/FT2-SEC-F	3.652-001	2.861-001	2.758-001	1.907-001	1.509+000	1.829-001	1.170-001	8.192-002
U @ 46.75 IN. BTU/FT2-SEC-F	3.845-001	2.440-001	2.379-001	1.657-001	1.018+000	1.607-001	1.112-001	1.141-001
U @ 49.5 IN. BTU/FT2-SEC-F	3.782-001	2.341-001	2.249-001	1.519-001	7.093-001	1.465-001	1.022-001	1.049-001
U @ 53.25 IN. BTU/FT2-SEC-F	3.832-001	2.339-001	2.246-001	1.504-001	1.103+000	1.449-001	1.078-001	1.106-001
U @ 57.0 IN. BTU/FT2-SEC-F	4.072-001	1.276-001	1.295-001	1.336-001	3.685-001	9.087-002	1.276-001	1.363-001
U @ 60.25 IN. BTU/FT2-SEC-F	4.205-001	1.549-001	1.518-001	1.205-001	-1.433+000	4.760-001	2.110-001	2.137-001
U @ 64.125 IN. BTU/FT2-SEC-F	4.702-001	1.768-001	1.707-001	1.141-001	7.812-001	1.425-001	9.118-002	1.279-001
U @ 67.375 IN. BTU/FT2-SEC-F	4.928-001	2.225-001	2.144-001	1.719-001	6.011-001	1.725-001	2.566-001	2.561-001
U @ 71.0 IN. BTU/FT2-SEC-F	5.760-001	3.315-001	3.160-001	2.552-001	4.043+000	2.560-001	1.473-001	1.675-001
U @ 74.125 IN. BTU/FT2-SEC-F	5.896-001	3.769-001	3.648-001	2.719-001	-9.782-001	3.932-001	1.571-001	1.680-001
U @ 78.0 IN. BTU/FT2-SEC-F	5.459-001	3.991-001	5.209-001	3.220-001	-9.340-001	4.106-001	1.879-001	1.968-001
U @ 81.5 IN. BTU/FT2-SEC-F	5.779-001	4.272-001	4.357-001	3.706-001	-6.873-001	5.490-001	2.071-001	2.153-001
U @ 85.0 IN. BTU/FT2-SEC-F	6.371-001	4.603-001	4.478-001	3.575-001	-5.989-001	5.437-001	2.449-001	2.633-001
U @ 89.5 IN. BTU/FT2-SEC-F	5.795-001	3.078-001	3.001-001	2.855-001	-6.472-001	4.300-001	2.614-001	2.835-001
U @ 91.75 IN. BTU/FT2-SEC-F	7.068-001	3.778-001	3.767-001	3.495-001	-6.412-001	5.036-001	3.089-001	3.332-001
U @ 95.0 IN. BTU/FT2-SEC-F	6.176-001	3.741-001	3.730-001	3.568-001	-5.344-001	4.730-001	3.165-001	3.447-001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 9 JUNE 11, 1982

TIME MIN	4.680+002	4.690+002	5.890+002
PERIODS NUMBER 3 0.0 INCHES	2.215+003	2.259+003	2.245+003
REYNOLDS NUMBER 3 12.0 INCHES	7.715+003	7.848+003	7.818+003
REYNOLDS NUMBER 3 36.0 INCHES	2.828+004	2.869+004	2.855+004
REYNOLDS NUMBER 3 60.0 INCHES	3.732+004	3.806+004	3.782+004
REYNOLDS NUMBER 3 84.0 INCHES	1.858+005	1.895+005	1.883+005
FRICTION FACTOR 3 0.0 INCHES	.000	.000	.000
FRICTION FACTOR 3 12.0 INCHES	9.124+003	8.177+003	1.110+002
FRICTION FACTOR 3 36.0 INCHES	1.935+002	1.668+002	1.930+002
FRICTION FACTOR 3 60.0 INCHES	2.371+002	2.345+002	3.006+002
FRICTION FACTOR 3 84.0 INCHES	1.493+002	1.815+002	1.870+002
U 3 1.125 IN. BTU/FT2-SEC-F	1.069+001	1.127+001	1.680+001
U 3 2.5 IN. BTU/FT2-SEC-F	6.312+002	6.639+002	5.852+002
U 3 4.125 IN. BTU/FT2-SEC-F	5.196+002	5.448+002	4.956+002
U 3 5.5 IN. BTU/FT2-SEC-F	6.483+002	6.798+002	6.092+002
U 3 7.0 IN. BTU/FT2-SEC-F	1.191+001	1.264+001	1.228+001
U 3 8.5 IN. BTU/FT2-SEC-F	1.237+001	1.308+001	1.238+001
U 3 10.125 IN. BTU/FT2-SEC-F	1.326+001	1.402+001	1.319+001
U 3 12.625 IN. BTU/FT2-SEC-F	1.490+001	1.579+001	1.478+001
U 3 15.0 IN. BTU/FT2-SEC-F	1.619+001	1.714+001	1.592+001
U 3 17.125 IN. BTU/FT2-SEC-F	7.984+002	1.789+001	1.640+001
U 3 20.0 IN. BTU/FT2-SEC-F	1.844+001	1.943+001	1.745+001
U 3 22.625 IN. BTU/FT2-SEC-F	1.876+001	1.937+001	1.708+001
U 3 25.25 IN. BTU/FT2-SEC-F	1.889+001	1.950+001	1.664+001
U 3 32.5 IN. BTU/FT2-SEC-F	7.632+002	7.899+002	7.201+002
U 3 36.0 IN. BTU/FT2-SEC-F	6.298+002	6.553+002	6.303+002
U 3 39.5 IN. BTU/FT2-SEC-F	6.811+002	7.093+002	6.945+002
U 3 43.0 IN. BTU/FT2-SEC-F	9.255+002	9.577+002	8.471+002
U 3 45.75 IN. BTU/FT2-SEC-F	8.837+002	9.370+002	8.365+002
U 3 49.5 IN. BTU/FT2-SEC-F	8.469+002	8.999+002	8.146+002
U 3 53.25 IN. BTU/FT2-SEC-F	9.189+002	9.761+002	8.875+002
U 3 57.0 IN. BTU/FT2-SEC-F	1.199+001	1.215+001	8.972+002
U 3 60.25 IN. BTU/FT2-SEC-F	1.311+001	1.393+001	1.064+001
U 3 64.125 IN. BTU/FT2-SEC-F	7.948+002	9.443+002	8.093+002
U 3 67.375 IN. BTU/FT2-SEC-F	1.214+001	1.291+001	9.391+002
U 3 71.0 IN. BTU/FT2-SEC-F	1.101+001	1.666+001	1.254+001
U 3 74.125 IN. BTU/FT2-SEC-F	1.351+001	1.563+001	1.244+001
U 3 78.0 IN. BTU/FT2-SEC-F	1.692+001	1.897+001	1.541+001
U 3 81.5 IN. BTU/FT2-SEC-F	1.916+001	2.183+001	1.792+001
U 3 85.0 IN. BTU/FT2-SEC-F	2.346+001	2.745+001	2.264+001
U 3 88.5 IN. BTU/FT2-SEC-F	2.208+001	2.670+001	2.355+001
U 3 91.75 IN. BTU/FT2-SEC-F	2.742+001	3.197+001	2.843+001
U 3 95.0 IN. BTU/FT2-SEC-F	2.771+001	3.278+001	3.101+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 9 JUNE 11, 1982

TIME	MIN	.000	1.200+002	1.210+002	2.110+002	2.260+002	2.270+002	3.470+002	3.480+002
THK	3	1.125	INCHES	MILS					
THK	3	2.5	INCHES	MILS					
THK	3	4.125	INCHES	MILS					
THK	3	5.5	INCHES	MILS					
THK	3	7.0	INCHES	MILS					
THK	3	8.5	INCHES	MILS					
THK	3	10.125	INCHES	MILS					
THK	3	12.625	INCHES	MILS					
THK	3	15.0	INCHES	MILS					
THK	3	17.125	INCHES	MILS					
THK	3	20.0	INCHES	MILS					
THK	3	22.625	INCHES	MILS					
THK	3	25.25	INCHES	MILS					
THK	3	28.75	INCHES	MILS					
THK	3	32.5	INCHES	MILS					
THK	3	36.0	INCHES	MILS					
THK	3	39.5	INCHES	MILS					
THK	3	43.0	INCHES	MILS					
THK	3	46.75	INCHES	MILS					
THK	3	49.5	INCHES	MILS					
THK	3	53.25	INCHES	MILS					
THK	3	57.0	INCHES	MILS					
THK	3	60.25	INCHES	MILS					
THK	3	64.125	INCHES	MILS					
THK	3	67.375	INCHES	MILS					
THK	3	71.0	INCHES	MILS					
THK	3	74.125	INCHES	MILS					
THK	3	78.0	INCHES	MILS					
THK	3	81.5	INCHES	MILS					
THK	3	85.0	INCHES	MILS					
THK	3	88.5	INCHES	MILS					
THK	3	91.75	INCHES	MILS					
THK	3	95.0	INCHES	MILS					
THK	3	1.190-001		-6.879-002	-1.437+000	-2.687-002	7.163-002	-1.020-001	
THK	3	4.313-002		4.877-001	-2.356-002	5.630-001	1.326+000	1.088+000	
THK	3	1.410-001		8.143-001	-3.608-001	1.059+000	2.051+000	1.768+000	
THK	3	3.771-001		9.057-002	-7.538-001	3.775-001	9.863-001	7.967-001	
THK	3	-7.861-001		-7.013-001	-1.142+000	-6.454-001	-5.850-001	-7.239-001	
THK	3	-5.019-001		-4.211-001	-1.543+000	-4.321-001	-2.569-001	-3.574-001	
THK	3	-2.573-001		-1.960-001	-2.313+000	-2.007-001	-2.600-002	-1.200-001	
THK	3	-1.083-001		-1.245-002	-1.669+000	3.554-002	1.335-001	4.941-002	
THK	3	-5.406-002		6.165-002	-1.564+000	3.679-002	2.210-001	1.437-001	
THK	3	-1.145-001		-1.476-002	-3.646+000	-5.476-002	2.297-001	6.267-002	
THK	3	-2.414-002		1.173-001	-1.339+000	9.796-002	3.095-001	2.337-001	
THK	3	-8.472-004		1.227-001	-1.442+000	-6.064-002	3.597-001	2.863-001	
THK	3	6.114-003		2.070-001	-1.194+000	1.939-001	4.882-001	4.257-001	
THK	3	4.551-002		4.398-001	-4.371-001	4.848-001	1.068+000	9.911-001	
THK	3	3.717-001		1.491+000	-4.562-001	1.609+000	8.365-001	2.845+000	
THK	3	1.000+000		2.672+000	8.058-001	2.872+000	4.548+000	4.419+000	
THK	3	7.137-001		2.364+000	4.570-001	2.521+000	4.062+000	3.932+000	
THK	3	3.551-001		1.003+000	-6.302-001	1.091+000	2.322+000	3.788+000	
THK	3	6.414-001		1.374+000	-6.475-001	1.449+000	2.556+000	2.466+000	
THK	3	7.210-001		1.577+000	-4.935-001	1.710+000	2.855+000	2.756+000	
THK	3	7.369-001		1.617+000	-6.812-001	1.718+000	2.667+000	2.574+000	
THK	3	2.105+000		2.012+000	1.032-001	3.420+000	2.153+000	1.953+000	
THK	3	1.492+000		2.657+000	-3.386-001	1.957+000	3.537+000	2.277+000	
THK	3	1.054+000		1.515+000	-1.463-001	1.507+000	7.470-001	7.503-001	
THK	3	5.682-001		6.728-001	-5.956-001	8.679-001	2.021+000	1.694+000	
THK	3	4.169-001		7.915-001	-1.089+000	3.376-001	1.867+000	1.701+000	
THK	3	3.517-002		5.094-001	-1.161+000	2.413-001	1.395+000	1.299+000	
THK	3	2.260-000		3.872-001	-1.274+000	3.637-002	1.240+000	1.166+000	
THK	3	2.655-001		4.910-001	-1.256+000	1.079-001	1.706+000	0.912-001	
THK	3	6.080-001		7.108-001	-1.308+000	2.401-001	8.401-001	7.206-001	
THK	3	4.960-001		5.787-001	-1.190+000	2.284-001	7.292-001	6.166-001	
THK	3	4.247-001		4.671-001	-1.396+000	1.931-001	6.162-001	5.128-001	

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 9 JUNE 11, 1982

TIME	MIN	4.680+002	4.690+002	5.890+002
THK	3 1.125 INCHES	1.701-001	-2.186-002	1.339-001
THK	3 2.5 INCHES	2.103+000	1.791+000	2.601+000
THK	3 4.125 INCHES	2.954+000	2.598+000	3.327+000
THK	3 5.5 INCHES	1.586+000	1.301+000	1.982+000
THK	3 7.0 INCHES	-5.283-001	-7.214-001	-6.306-001
THK	3 8.5 INCHES	-1.375-001	-3.145-001	-1.410-001
THK	3 10.125 INCHES	9.273-002	-7.068-002	1.082-001
THK	3 12.625 INCHES	2.552-001	1.042-001	2.782-001
THK	3 15.0 INCHES	3.592-001	2.215-001	4.009-001
THK	3 17.125 INCHES	4.326-001	-2.342+000	-2.139+000
THK	3 20.0 INCHES	4.774-001	3.669-001	6.011-001
THK	3 22.625 INCHES	5.685-001	5.019-001	7.785-001
THK	3 25.25 INCHES	7.729-001	7.073-001	1.060+000
THK	3 28.75 INCHES	1.570+000	1.451+000	2.025+000
THK	3 32.5 INCHES	4.014+000	3.837+000	4.328+000
THK	3 36.0 INCHES	5.147+000	4.900+000	5.137+000
THK	3 39.5 INCHES	4.684+000	4.450+000	4.570+000
THK	3 43.0 INCHES	3.227+000	3.082+000	3.627+000
THK	3 46.75 INCHES	3.486+000	3.229+000	3.742+000
THK	3 49.5 INCHES	3.666+000	3.387+000	3.853+000
THK	3 53.25 INCHES	3.309+000	3.054+000	3.463+000
THK	3 57.0 INCHES	2.353+000	2.311+000	3.476+000
THK	3 60.25 INCHES	2.101+000	1.910+000	2.739+000
THK	3 64.125 INCHES	4.182+000	3.386+000	4.092+000
THK	3 67.375 INCHES	2.483+000	2.286+000	3.448+000
THK	3 71.0 INCHES	2.939+000	1.706+000	2.494+000
THK	3 74.125 INCHES	2.281+000	1.880+000	2.536+000
THK	3 78.0 INCHES	1.631+000	1.375+000	1.864+000
THK	3 81.5 INCHES	1.396+000	1.141+000	1.540+000
THK	3 85.0 INCHES	1.077+000	8.296-001	1.139+000
THK	3 88.5 INCHES	1.058+000	8.078-001	1.008+000
THK	3 91.75 INCHES	8.926-001	6.852-001	8.310-001
THK	3 95.0 INCHES	7.960-001	5.728-001	6.422-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 10 JUNE 15, 1962

TIME MIN	.000	9.000+001	1.000+002	2.700+002	3.600+002	4.500+002	4.800+002
THALL 3 1.125 INCHES	5.700+002	5.490+002	5.640+002	6.010+002	5.740+002	6.050+002	6.060+002
THALL 3 2.5 INCHES	7.500+002	7.820+002	8.240+002	8.830+002	8.680+002	9.060+002	9.160+002
THALL 3 4.125 INCHES	8.200+002	7.970+002	7.800+002	7.410+002	7.310+002	7.620+002	7.760+002
THALL 3 5.5 INCHES	7.970+002	7.690+002	7.610+002	6.280+002	6.620+002	6.430+002	6.630+002
THALL 3 7.0 INCHES	7.050+002	6.950+002	6.530+002	5.990+002	6.260+002	6.230+002	6.350+002
THALL 3 8.5 INCHES	5.790+002	5.720+002	5.470+002	5.430+002	5.420+002	5.460+002	5.570+002
THALL 3 10.125 INCHES	5.400+002	5.620+002	5.350+002	5.270+002	5.320+002	5.300+002	5.400+002
THALL 3 12.525 INCHES	5.260+002	5.300+002	5.270+002	5.240+002	5.260+002	5.300+002	5.400+002
THALL 3 15.0 INCHES	5.230+002	5.250+002	5.240+002	5.240+002	5.320+002	5.300+002	5.400+002
THALL 3 17.125 INCHES	5.220+002	5.260+002	5.270+002	5.240+002	5.390+002	5.300+002	5.470+002
THALL 3 20.0 INCHES	5.260+002	5.270+002	5.300+002	5.320+002	5.460+002	5.500+002	5.550+002
THALL 3 22.625 INCHES	5.350+002	5.300+002	5.430+002	5.510+002	5.640+002	5.660+002	5.700+002
THALL 3 25.25 INCHES	5.410+002	5.400+002	5.430+002	5.510+002	5.760+002	5.830+002	5.860+002
THALL 3 28.75 INCHES	5.690+002	5.690+002	5.770+002	5.910+002	6.150+002	6.350+002	6.380+002
THALL 3 32.5 INCHES	5.850+002	5.920+002	6.030+002	6.280+002	6.710+002	7.100+002	7.160+002
THALL 3 36.0 INCHES	6.120+002	6.220+002	6.410+002	6.860+002	7.510+002	8.010+002	8.060+002
THALL 3 39.5 INCHES	6.310+002	6.470+002	6.700+002	7.390+002	8.220+002	8.690+002	8.740+002
THALL 3 43.0 INCHES	6.550+002	6.810+002	7.230+002	7.990+002	8.840+002	9.300+002	9.300+002
THALL 3 46.75 INCHES	6.810+002	7.040+002	7.670+002	8.560+002	9.390+002	1.016+003	1.031+003
THALL 3 49.5 INCHES	6.980+002	7.170+002	7.880+002	9.200+002	1.045+003	1.147+003	1.158+003
THALL 3 53.25 INCHES	7.260+002	7.520+002	8.060+002	9.840+002	1.113+003	1.165+003	1.168+003
THALL 3 57.0 INCHES	7.530+002	9.820+002	1.118+003	1.220+003	1.240+003	1.205+003	1.196+003
THALL 3 60.25 INCHES	7.650+002	9.040+002	1.020+003	1.133+003	1.216+003	1.239+003	1.229+003
THALL 3 64.125 INCHES	7.880+002	9.190+002	1.002+003	1.066+003	1.168+003	1.220+003	1.216+003
THALL 3 67.375 INCHES	8.020+002	9.120+002	9.260+002	9.550+002	9.940+002	1.003+003	1.005+003
THALL 3 71.0 INCHES	8.010+002	9.130+002	9.070+002	9.170+002	3.000+001	9.510+002	9.510+002
THALL 3 74.125 INCHES	8.340+002	9.280+002	9.360+002	9.340+002	6.100+001	9.760+002	9.730+002
THALL 3 78.0 INCHES	8.620+002	9.340+002	9.470+002	9.570+002	9.870+002	1.007+003	1.005+003
THALL 3 81.5 INCHES	8.860+002	9.430+002	9.600+002	9.690+002	9.960+002	1.015+003	1.011+003
THALL 3 85.0 INCHES	9.030+002	9.490+002	9.660+002	9.760+002	1.001+003	1.020+004	1.014+003
THALL 3 88.5 INCHES	9.320+002	9.690+002	9.900+002	9.980+002	1.021+003	1.038+003	1.031+003
THALL 3 91.75 INCHES	9.470+002	9.890+002	1.013+003	1.027+003	1.052+003	1.071+003	1.062+003
THALL 3 95.0 INCHES	9.650+002	1.014+003	1.040+003	1.061+003	1.089+003	1.108+003	1.103+003
FUEL PRES 3 0.0 INCHES PSIG	7.867+002	7.969+002	8.067+002	8.111+002	8.159+002	8.177+002	8.246+002
FUEL PRES 3 24.0 INCHES PSIG	7.919+002	8.007+002	8.055+002	8.190+002	8.227+002	8.164+002	8.227+002
FUEL PRES 3 48.0 INCHES PSIG	7.854+002	7.971+002	7.986+002	8.073+002	8.116+002	8.136+002	8.116+002
FUEL PRES 3 72.0 INCHES PSIG	7.782+002	7.884+002	7.906+002	7.957+002	7.971+002	7.928+002	7.969+002
FUEL PRES 3 96.0 INCHES PSIG	7.720+002	7.813+002	7.836+002	7.862+002	7.872+002	7.923+002	8.049+002
FUEL INLET TEMP DEG F	7.000+001	7.700+001	8.600+001	9.300+001	9.800+001	1.000+002	1.000+002
FUEL TEMP 3 24.0 INCHES DEG F	3.650+002	3.710+002	3.710+002	3.750+002	3.740+002	3.760+002	3.770+002
FUEL TEMP 3 48.0 INCHES DEG F	5.540+002	5.590+002	5.700+002	5.870+002	6.090+002	6.360+002	6.430+002
FUEL TEMP 3 72.0 INCHES DEG F	7.390+002	7.620+002	7.670+002	7.710+002	7.710+002	7.770+002	7.780+002
FUEL TEMP 3 96.0 INCHES DEG F	8.920+002	8.940+002	9.070+002	9.000+002	8.970+002	9.030+002	9.010+002
FLOW RATE LB/HR	6.014+001	5.982+001	5.859+001	5.981+001	6.118+001	5.922+001	5.735+001
COMBUST AMPS	1.071+002	1.000+002	9.670+001	1.011+002	1.050+002	1.021+002	9.831+001
VOLTAG	6.273+001	5.702+001	5.051+001	6.130+001	6.322+001	6.033+001	5.979+001
PROG	6.371+000	5.526+000	5.471+000	5.877+000	6.223+000	5.772+000	5.591+000
FUEZ	3.572+001	3.143+001	3.011+001	3.301+001	3.535+001	3.242+001	3.140+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 10 JUNE 15, 1962

TIME MIN	.000	9.000+001	1.800+002	2.700+002	3.600+002	4.500+002	4.800+002
REYNOLDS NUMBER @ 0.0 INCHES	2.204+003	2.192+003	2.147+003	2.193+003	2.242+003	2.171+003	2.102+003
REYNOLDS NUMBER @ 12.0 INCHES	7.596+003	7.555+003	7.400+003	7.550+003	7.727+003	7.400+003	7.244+003
REYNOLDS NUMBER @ 36.0 INCHES	1.971+004	1.960+004	1.920+004	1.961+004	2.005+004	1.941+004	1.880+004
REYNOLDS NUMBER @ 60.0 INCHES	3.561+004	3.542+004	3.470+004	3.564+004	3.623+004	3.507+004	3.396+004
REYNOLDS NUMBER @ 84.0 INCHES	9.114+004	9.064+004	8.879+004	9.068+004	9.271+004	8.974+004	8.691+004
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	-1.130-002	-0.318-003	-1.993-003	-1.731-002	-1.423-002	2.949-003	4.610-003
FRICTION FACTOR @ 36.0 INCHES	1.230-002	6.838-003	1.303-002	2.221-002	2.031-002	5.462-003	2.283-002
FRICTION FACTOR @ 60.0 INCHES	1.145-002	1.392-002	1.336-002	1.854-002	2.215-002	2.419-002	2.575-002
FRICTION FACTOR @ 84.0 INCHES	7.596-003	8.920-003	9.159-003	1.192-002	1.106-002	8.346-003	-1.085-002
U @ 1.125 IN. BTU/FT2-SEC-F	7.361-002	6.757-002	6.377-002	6.383-002	7.211-002	6.221-002	6.014-002
U @ 2.5 IN. BTU/FT2-SEC-F	5.512-002	4.614-002	4.233-002	4.220-002	4.607-002	4.026-002	3.652-002
U @ 5.5 IN. BTU/FT2-SEC-F	5.117-002	4.648-002	4.569-002	5.322-002	5.792-002	5.056-002	4.650-002
U @ 7.0 IN. BTU/FT2-SEC-F	5.427-002	4.978-002	4.912-002	6.731-002	6.741-002	6.415-002	5.977-002
U @ 8.5 IN. BTU/FT2-SEC-F	6.519-002	5.832-002	6.161-002	7.452-002	7.521-002	6.943-002	6.557-002
U @ 10.125 IN. BTU/FT2-SEC-F	8.846-002	7.907-002	8.920-002	8.957-002	9.310-002	8.589-002	8.021-002
U @ 12.625 IN. BTU/FT2-SEC-F	1.036-001	9.044-002	8.921-002	9.471-002	1.017-001	9.223-002	8.662-002
U @ 15.0 IN. BTU/FT2-SEC-F	1.190-001	1.031-001	1.008-001	1.076-001	1.175-001	1.060-001	9.975-002
U @ 17.125 IN. BTU/FT2-SEC-F	1.332-001	1.162-001	1.136-001	1.211-001	1.273-001	1.176-001	1.084-001
U @ 20.0 IN. BTU/FT2-SEC-F	1.482-001	1.280-001	1.242-001	1.355-001	1.367-001	1.297-001	1.178-001
U @ 22.625 IN. BTU/FT2-SEC-F	1.915-001	1.655-001	1.571-001	1.527-001	1.536-001	1.385-001	1.313-001
U @ 25.25 IN. BTU/FT2-SEC-F	2.154-001	1.903-001	1.768-001	1.627-001	1.637-001	1.408-001	1.415-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.148-001	1.887-001	1.754-001	1.773-001	1.757-001	1.558-001	1.487-001
U @ 32.5 IN. BTU/FT2-SEC-F	2.338-001	1.964-001	1.790-001	1.750-001	1.663-001	1.388-001	1.333-001
U @ 36.0 IN. BTU/FT2-SEC-F	2.347-001	1.934-001	1.687-001	1.604-001	1.479-001	1.166-001	1.106-001
U @ 39.5 IN. BTU/FT2-SEC-F	2.486-001	1.965-001	1.687-001	1.457-001	1.213-001	9.494-002	9.063-002
U @ 43.0 IN. BTU/FT2-SEC-F	2.549-001	1.889-001	1.604-001	1.310-001	1.055-001	8.489-002	8.116-002
U @ 46.75 IN. BTU/FT2-SEC-F	2.615-001	1.967-001	1.352-001	1.161-001	9.570-002	1.659-001	7.560-002
U @ 49.5 IN. BTU/FT2-SEC-F	2.702-001	2.076-001	1.377-001	1.059-001	8.952-002	6.871-002	6.451-002
U @ 53.25 IN. BTU/FT2-SEC-F	2.721-001	1.995-001	1.153-001	9.313-002	7.373-002	5.576-002	5.301-002
U @ 57.0 IN. BTU/FT2-SEC-F	2.761-001	8.765-002	6.170-002	8.474-002	5.817-002	5.683-002	5.476-002
U @ 60.25 IN. BTU/FT2-SEC-F	3.070-001	1.230-001	8.067-002	5.533-002	5.732-002	5.574-002	5.484-002
U @ 64.125 IN. BTU/FT2-SEC-F	3.262-001	1.306-001	9.459-002	6.812-002	6.220-002	5.490-002	5.409-002
U @ 67.375 IN. BTU/FT2-SEC-F	3.627-001	1.507-001	1.375-001	8.514-002	7.218-002	5.935-002	5.840-002
U @ 71.0 IN. BTU/FT2-SEC-F	5.134-001	1.730-001	1.743-001	1.312-001	1.216-001	1.082-001	1.041-001
U @ 74.125 IN. BTU/FT2-SEC-F	4.427-001	1.798-001	1.675-001	1.825-001	-5.040-002	1.476-001	1.429-001
U @ 78.0 IN. BTU/FT2-SEC-F	4.312-001	2.028-001	1.823-001	-5.107-002	-5.107-002	1.455-001	1.429-001
U @ 81.5 IN. BTU/FT2-SEC-F	4.277-001	2.235-001	1.742-001	1.854-001	1.699-001	1.422-001	1.370-001
U @ 85.0 IN. BTU/FT2-SEC-F	4.627-001	2.549-001	2.102-001	1.901-001	1.825-001	1.525-001	1.505-001
U @ 88.5 IN. BTU/FT2-SEC-F	4.312-001	2.619-001	2.172-001	2.196-001	2.016-001	3.459-003	1.667-001
U @ 91.75 IN. BTU/FT2-SEC-F	4.648-001	2.656-001	2.151-001	2.215-001	2.055-001	1.715-001	1.725-001
U @ 95.0 IN. BTU/FT2-SEC-F	4.925-001	2.504-001	2.074-001	2.112-001	1.949-001	1.619-001	1.641-001
				1.957-001	1.797-001	1.503-001	1.491-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 10 JUNE 15, 1962

TIME	MIN	.000	9.000+001	1.800+002	2.700+002	3.600+002	4.500+002	4.800+002
THK	3 1.125	INCHES	MILS					
THK	3 2.5	INCHES	MILS	.000	0.326+001	1.126+001	9.957+001	1.217+000
THK	3 4.125	INCHES	MILS	.000	2.191+000	1.425+000	2.678+000	3.127+000
THK	3 5.5	INCHES	MILS	.000	7.895+001	-9.103+001	9.546+002	7.649+001
THK	3 7.0	INCHES	MILS	.000	6.641+001	-1.428+000	-1.135+000	-6.784+001
THK	3 8.5	INCHES	MILS	.000	7.222+001	-3.560+001	-3.750+001	-3.546+002
THK	3 10.125	INCHES	MILS	.000	5.369+001	3.449+001	1.360+001	4.653+001
THK	3 12.625	INCHES	MILS	.000	5.602+001	5.864+001	4.740+001	7.554+001
THK	3 15.0	INCHES	MILS	.000	5.164+001	6.065+001	4.106+001	6.475+001
THK	3 17.125	INCHES	MILS	.000	4.411+001	5.197+001	3.979+001	6.864+001
THK	3 20.0	INCHES	MILS	.000	4.246+001	5.208+001	3.788+001	6.951+001
THK	3 22.625	INCHES	MILS	.000	3.380+001	4.406+001	2.554+001	6.972+001
THK	3 25.25	INCHES	MILS	.000	3.274+001	4.570+001	3.540+001	7.373+001
THK	3 28.75	INCHES	MILS	.000	2.444+001	4.048+001	4.191+001	8.323+001
THK	3 32.5	INCHES	MILS	.000	2.578+001	4.187+001	5.436+001	1.139+000
THK	3 36.0	INCHES	MILS	.000	3.259+001	5.238+001	9.944+001	1.907+000
THK	3 39.5	INCHES	MILS	.000	3.632+001	6.664+001	1.594+000	2.709+000
THK	3 43.0	INCHES	MILS	.000	4.263+001	8.854+001	2.181+000	3.320+000
THK	3 46.75	INCHES	MILS	.000	5.044+001	1.153+000	2.611+000	3.722+000
THK	3 49.5	INCHES	MILS	.000	4.467+001	1.425+000	2.938+000	4.671+000
THK	3 53.25	INCHES	MILS	.000	5.344+001	1.992+000	3.945+000	5.835+000
THK	3 57.0	INCHES	MILS	.000	3.115+000	5.013+000	5.529+000	5.845+000
THK	3 60.25	INCHES	MILS	.000	1.837+000	3.655+000	5.120+000	6.092+000
THK	3 64.125	INCHES	MILS	.000	1.552+000	1.806+000	4.315+000	5.623+000
THK	3 67.375	INCHES	MILS	.000	1.533+000	1.516+000	2.186+000	2.740+000
THK	3 71.0	INCHES	MILS	.000	1.321+000	1.485+000	-8.715+000	2.019+000
THK	3 74.125	INCHES	MILS	.000	1.045+000	1.267+000	-8.736+000	1.897+000
THK	3 78.0	INCHES	MILS	.000	8.548+001	1.124+000	1.426+000	1.951+000
THK	3 81.5	INCHES	MILS	.000	7.050+001	9.689+001	1.256+000	1.723+000
THK	3 85.0	INCHES	MILS	.000	5.993+001	9.142+001	1.120+000	1.534+000
THK	3 89.5	INCHES	MILS	.000	6.526+001	1.006+000	1.019+000	1.390+000
THK	3 91.75	INCHES	MILS	.000	7.360+001	1.117+000	1.199+000	1.584+000
THK	3 95.0	INCHES	MILS	.000		1.232+000	1.413+000	1.671+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 11 JULY 9, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THALL	3	1.125 INCHES	5.600+002	5.200+002	5.100+002	5.130+002	5.250+002	5.150+002	5.230+002
THALL	3	2.5 INCHES	6.530+002	6.380+002	6.610+002	6.720+002	7.020+002	7.090+002	7.290+002
THALL	3	4.125 INCHES	7.440+002	7.540+002	7.760+002	7.780+002	7.860+002	7.800+002	7.970+002
THALL	3	5.5 INCHES	7.340+002	7.350+002	7.170+002	7.150+002	7.130+002	6.940+002	7.000+002
THALL	3	7.0 INCHES	6.960+002	6.650+002	6.170+002	6.140+002	6.070+002	5.990+002	5.990+002
THALL	3	8.5 INCHES	6.010+002	5.670+002	5.340+002	5.320+002	5.310+002	5.230+002	5.240+002
THALL	3	10.125 INCHES	5.050+002	4.900+002	4.830+002	4.820+002	4.860+002	4.810+002	4.820+002
THALL	3	12.625 INCHES	5.360+002	5.240+002	5.180+002	5.230+002	5.220+002	5.160+002	5.170+002
THALL	3	15.0 INCHES	5.350+002	5.310+002	5.260+002	5.310+002	5.290+002	5.210+002	5.240+002
THALL	3	17.125 INCHES	5.320+002	5.250+002	5.220+002	5.270+002	5.280+002	5.200+002	5.240+002
THALL	3	20.0 INCHES	5.460+002	5.400+002	5.380+002	5.420+002	5.430+002	5.340+002	5.380+002
THALL	3	22.625 INCHES	5.640+002	5.560+002	5.540+002	5.590+002	5.580+002	5.490+002	5.520+002
THALL	3	25.25 INCHES	5.670+002	5.600+002	5.590+002	5.630+002	5.650+002	5.550+002	5.590+002
THALL	3	28.75 INCHES	5.870+002	5.820+002	5.840+002	5.920+002	5.980+002	5.930+002	6.010+002
THALL	3	32.5 INCHES	6.120+002	6.100+002	6.210+002	6.350+002	6.390+002	6.560+002	6.750+002
THALL	3	36.0 INCHES	6.600+002	6.170+002	6.890+002	6.570+002	7.790+002	7.040+002	7.290+002
THALL	3	39.5 INCHES	6.620+002	6.640+002	6.890+002	7.210+002	7.430+002	7.730+002	7.980+002
THALL	3	43.0 INCHES	6.810+002	6.930+002	7.200+002	7.540+002	7.710+002	7.930+002	8.130+002
THALL	3	46.75 INCHES	7.050+002	7.180+002	7.460+002	7.730+002	7.760+002	8.000+002	8.100+002
THALL	3	53.25 INCHES	7.390+002	7.560+002	7.640+002	8.150+002	8.220+002	8.430+002	8.540+002
THALL	3	57.0 INCHES	7.580+002	7.900+002	8.920+002	8.910+002	1.081+003	1.133+003	1.167+003
THALL	3	60.25 INCHES	7.830+002	8.260+002	8.820+002	9.150+002	9.330+002	9.650+002	9.820+002
THALL	3	64.125 INCHES	7.890+002	8.320+002	9.230+002	9.690+002	1.000+003	1.025+003	1.042+003
THALL	3	67.375 INCHES	8.120+002	8.540+002	9.530+002	1.001+003	1.019+003	1.046+003	1.054+003
THALL	3	71.0 INCHES	8.300+002	8.760+002	9.360+002	9.510+002	9.600+002	9.580+002	9.580+002
THALL	3	74.125 INCHES	8.400+002	8.920+002	9.190+002	9.270+002	9.160+002	9.250+002	9.210+002
THALL	3	78.0 INCHES	8.510+002	8.930+002	9.010+002	9.090+002	9.050+002	9.100+002	9.090+002
THALL	3	81.5 INCHES	8.620+002	9.130+002	9.210+002	9.260+002	9.190+002	9.280+002	9.220+002
THALL	3	85.0 INCHES	8.800+002	9.280+002	9.380+002	9.430+002	9.370+002	9.470+002	9.410+002
THALL	3	88.5 INCHES	8.970+002	9.360+002	9.460+002	9.540+002	9.490+002	9.590+002	9.560+002
THALL	3	91.75 INCHES	8.900+002	9.470+002	9.540+002	9.640+002	9.610+002	9.730+002	9.640+002
THALL	3	95.0 INCHES	8.960+002	9.270+002	9.480+002	9.610+002	9.550+002	9.600+002	9.640+002
FUEL PRES	3	0.0 INCHES PSIG	4.326+002	4.306+002	4.362+002	4.356+002	4.415+002	4.393+002	4.400+002
FUEL PRES	3	24.0 INCHES PSIG	4.279+002	4.330+002	4.311+002	4.302+002	4.363+002	4.343+002	4.351+002
FUEL PRES	3	48.0 INCHES PSIG	4.245+002	4.296+002	4.276+002	4.268+002	4.329+002	4.308+002	4.317+002
FUEL PRES	3	72.0 INCHES PSIG	4.201+002	4.243+002	4.204+002	4.188+002	4.236+002	4.205+002	4.207+002
FUEL PRES	3	96.0 INCHES PSIG	3.975+002	4.032+002	3.989+002	3.939+002	4.010+002	4.010+002	3.984+002
FUEL INLET TEMP	3	DEG F	8.600+001	8.900+001	9.800+001	1.000+002	1.030+002	1.050+002	1.050+002
FUEL TEMP	3	24.0 INCHES DEG F	3.770+002	3.730+002	3.700+002	3.760+002	3.730+002	3.790+002	3.810+002
FUEL TEMP	3	48.0 INCHES DEG F	5.750+002	5.720+002	5.780+002	5.760+002	5.770+002	5.810+002	5.850+002
FUEL TEMP	3	72.0 INCHES DEG F	7.570+002	7.590+002	7.620+002	7.720+002	7.710+002	7.760+002	7.700+002
FUEL TEMP	3	96.0 INCHES DEG F	9.030+002	8.960+002	8.900+002	8.900+002	8.970+002	8.960+002	9.120+002
FLOW RATE	3	LB/HR	5.918+001	6.079+001	6.061+001	6.084+001	5.979+001	6.107+001	6.042+001
CURRENT	3	AMPS	1.253+002	1.243+002	1.223+002	1.205+002	1.246+002	1.212+002	1.209+002
VOLTAGE	3	VOLTS	7.207+001	7.170+001	7.085+001	6.950+001	7.230+001	7.117+001	7.097+001
POWER	3	WATTS	8.544+000	8.655+000	8.215+000	7.950+000	8.615+000	8.177+000	8.130+000
FUEL	3	PIU TO C. GPT	6.011+001	6.760+001	6.615+001	6.407+001	6.013+001	4.593+001	4.567+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 11 JULY 9, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REVOLDS NUMBER @ 0.0 INCHES	2.672+003	2.744+003	2.720+003	2.736+003	2.746+003	2.708+003	2.757+003	2.727+003
REVOLDS NUMBER @ 12.0 INCHES	8.107+003	8.327+003	8.254+003	8.303+003	8.335+003	8.218+003	8.366+003	8.276+003
REVOLDS NUMBER @ 36.0 INCHES	2.042+004	2.097+004	2.079+004	2.091+004	2.099+004	2.069+004	2.107+004	2.084+004
REVOLDS NUMBER @ 60.0 INCHES	3.745+004	3.867+004	3.813+004	3.836+004	3.850+004	3.796+004	3.865+004	3.823+004
REVOLDS NUMBER @ 84.0 INCHES	1.925+005	1.977+005	1.960+005	1.971+005	1.979+005	1.951+005	1.986+005	1.965+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.062+002	1.162+002	1.064+002	1.080+002	1.135+002	1.139+002	1.038+002	1.045+002
FRICTION FACTOR @ 36.0 INCHES	6.433+003	6.354+003	6.294+003	6.444+003	6.294+003	6.385+003	6.366+003	6.290+003
FRICTION FACTOR @ 60.0 INCHES	7.035+003	7.962+003	9.064+003	1.083+002	1.194+002	1.437+002	1.535+002	1.673+002
FRICTION FACTOR @ 84.0 INCHES	1.386+002	1.226+002	1.380+002	1.256+002	1.155+002	1.346+002	1.126+002	1.315+002
U @ 1.125 IN. BTU/FT2-SEC-F	1.049+001	1.116+001	1.140+001	1.108+001	1.091+001	1.143+001	1.111+001	1.084+001
U @ 2.5 IN. BTU/FT2-SEC-F	8.994+002	9.135+002	9.092+002	8.500+002	8.103+002	8.289+002	7.774+002	7.476+002
U @ 4.125 IN. BTU/FT2-SEC-F	7.934+002	7.706+002	7.583+002	7.229+002	7.009+002	7.464+002	7.151+002	6.927+002
U @ 5.5 IN. BTU/FT2-SEC-F	8.290+002	8.178+002	8.317+002	8.200+002	8.004+002	8.661+002	8.510+002	8.368+002
U @ 7.0 IN. BTU/FT2-SEC-F	9.186+002	9.639+002	1.022+001	1.038+001	1.016+001	1.113+001	1.076+001	1.070+001
U @ 8.5 IN. BTU/FT2-SEC-F	1.172+001	1.261+001	1.345+001	1.343+001	1.314+001	1.421+001	1.381+001	1.369+001
U @ 10.125 IN. BTU/FT2-SEC-F	1.630+001	1.696+001	1.749+001	1.690+001	1.650+001	1.751+001	1.695+001	1.679+001
U @ 12.625 IN. BTU/FT2-SEC-F	1.625+001	1.672+001	1.719+001	1.660+001	1.585+001	1.716+001	1.664+001	1.649+001
U @ 15.0 IN. BTU/FT2-SEC-F	1.779+001	1.810+001	1.875+001	1.793+001	1.711+001	1.859+001	1.820+001	1.788+001
U @ 17.125 IN. BTU/FT2-SEC-F	2.023+001	2.058+001	2.080+001	2.026+001	1.928+001	2.070+001	2.034+001	1.987+001
U @ 20.0 IN. BTU/FT2-SEC-F	2.215+001	2.249+001	2.303+001	2.206+001	2.106+001	2.260+001	2.239+001	2.183+001
U @ 22.625 IN. BTU/FT2-SEC-F	2.363+001	2.429+001	2.500+001	2.384+001	2.260+001	2.450+001	2.436+001	2.384+001
U @ 25.25 IN. BTU/FT2-SEC-F	2.677+001	2.750+001	2.784+001	2.688+001	2.555+001	2.724+001	2.739+001	2.660+001
U @ 28.75 IN. BTU/FT2-SEC-F	2.816+001	2.864+001	3.006+001	2.750+001	2.553+001	2.662+001	2.598+001	2.471+001
U @ 32.5 IN. BTU/FT2-SEC-F	2.918+001	2.916+001	3.023+001	2.654+001	2.389+001	2.522+001	2.199+001	2.004+001
U @ 36.0 IN. BTU/FT2-SEC-F	3.564+001	3.368+001	3.377+001	2.902+001	2.480+001	2.304+001	2.015+001	1.805+001
U @ 39.5 IN. BTU/FT2-SEC-F	3.101+001	2.985+001	3.095+001	2.506+001	2.077+001	2.032+001	1.713+001	1.558+001
U @ 43.0 IN. BTU/FT2-SEC-F	3.245+001	3.079+001	3.073+001	2.478+001	2.038+001	2.040+001	1.772+001	1.635+001
U @ 46.75 IN. BTU/FT2-SEC-F	4.136+001	3.701+001	3.491+001	2.878+001	2.409+001	2.372+001	2.133+001	2.000+001
U @ 49.5 IN. BTU/FT2-SEC-F	4.056+001	3.608+001	3.586+001	2.891+001	2.405+001	2.525+001	2.150+001	2.042+001
U @ 53.25 IN. BTU/FT2-SEC-F	3.874+001	3.364+001	3.260+001	2.561+001	2.242+001	2.336+001	2.013+001	1.909+001
U @ 57.0 IN. BTU/FT2-SEC-F	4.192+001	3.236+001	2.832+001	1.855+001	1.291+001	1.106+001	9.379+002	8.720+002
U @ 60.25 IN. BTU/FT2-SEC-F	4.180+001	3.004+001	2.893+001	2.155+001	1.816+001	1.825+001	1.546+001	1.454+001
U @ 64.125 IN. BTU/FT2-SEC-F	5.245+001	3.525+001	2.752+001	2.044+001	1.652+001	1.599+001	1.402+001	1.325+001
U @ 67.375 IN. BTU/FT2-SEC-F	5.341+001	3.596+001	2.767+001	1.997+001	1.608+001	1.629+001	1.417+001	1.375+001
U @ 71.0 IN. BTU/FT2-SEC-F	5.970+001	3.752+001	2.739+001	2.473+001	2.205+001	2.401+001	2.181+001	2.189+001
U @ 74.125 IN. BTU/FT2-SEC-F	6.865+001	3.691+001	3.497+001	3.035+001	2.857+001	3.313+001	2.962+001	3.023+001
U @ 78.0 IN. BTU/FT2-SEC-F	8.367+001	4.773+001	4.699+001	4.293+001	3.806+001	4.340+001	3.943+001	3.954+001
U @ 81.5 IN. BTU/FT2-SEC-F	7.158+001	4.836+001	4.653+001	4.345+001	4.036+001	4.058+001	4.058+001	4.260+001
U @ 85.0 IN. BTU/FT2-SEC-F	1.095+000	5.167+001	5.178+001	4.528+001	4.199+001	4.795+001	4.141+001	4.353+001
U @ 88.5 IN. BTU/FT2-SEC-F	1.624+000	6.040+001	5.958+001	5.207+001	4.645+001	5.282+001	4.520+001	4.631+001
U @ 91.75 IN. BTU/FT2-SEC-F	3.743+000	6.799+001	6.676+001	6.004+001	5.168+001	5.771+001	4.792+001	5.253+001
U @ 95.0 IN. BTU/FT2-SEC-F	-5.240+001	1.579+000	1.396+000	9.033+001	7.004+001	8.312+001	6.462+001	6.098+001

NAVY FUEL DEPOSIT TEST PROGRAM
 RUN 11 JULY 9, 1982

TABLE 3

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK	3 1.125	.000	MILS						
THK	3 2.5	.000	MILS						
THK	3 4.125	.000	MILS						
THK	3 5.5	.000	MILS						
THK	3 7.0	.000	MILS						
THK	3 8.5	.000	MILS						
THK	3 10.125	.000	MILS						
THK	3 12.625	.000	MILS						
THK	3 15.0	.000	MILS						
THK	3 17.125	.000	MILS						
THK	3 20.0	.000	MILS						
THK	3 22.625	.000	MILS						
THK	3 25.25	.000	MILS						
THK	3 28.75	.000	MILS						
THK	3 32.5	.000	MILS						
THK	3 36.0	.000	MILS						
THK	3 39.5	.000	MILS						
THK	3 43.0	.000	MILS						
THK	3 46.75	.000	MILS						
THK	3 50.5	.000	MILS						
THK	3 53.25	.000	MILS						
THK	3 57.0	.000	MILS						
THK	3 60.25	.000	MILS						
THK	3 64.125	.000	MILS						
THK	3 67.375	.000	MILS						
THK	3 71.0	.000	MILS						
THK	3 74.125	.000	MILS						
THK	3 78.0	.000	MILS						
THK	3 81.5	.000	MILS						
THK	3 85.0	.000	MILS						
THK	3 88.5	.000	MILS						
THK	3 91.75	.000	MILS						
THK	3 95.0	.000	MILS						
THK	3 1.125	.000	MILS						
THK	3 2.5	.000	MILS						
THK	3 4.125	.000	MILS						
THK	3 5.5	.000	MILS						
THK	3 7.0	.000	MILS						
THK	3 8.5	.000	MILS						
THK	3 10.125	.000	MILS						
THK	3 12.625	.000	MILS						
THK	3 15.0	.000	MILS						
THK	3 17.125	.000	MILS						
THK	3 20.0	.000	MILS						
THK	3 22.625	.000	MILS						
THK	3 25.25	.000	MILS						
THK	3 28.75	.000	MILS						
THK	3 32.5	.000	MILS						
THK	3 36.0	.000	MILS						
THK	3 39.5	.000	MILS						
THK	3 43.0	.000	MILS						
THK	3 46.75	.000	MILS						
THK	3 50.5	.000	MILS						
THK	3 53.25	.000	MILS						
THK	3 57.0	.000	MILS						
THK	3 60.25	.000	MILS						
THK	3 64.125	.000	MILS						
THK	3 67.375	.000	MILS						
THK	3 71.0	.000	MILS						
THK	3 74.125	.000	MILS						
THK	3 78.0	.000	MILS						
THK	3 81.5	.000	MILS						
THK	3 85.0	.000	MILS						
THK	3 88.5	.000	MILS						
THK	3 91.75	.000	MILS						
THK	3 95.0	.000	MILS						

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 12 JULY 13, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002			
THALL	3	1.125	INCHES	DEG F	7.160+002	6.990+002	6.560+002	6.160+002	6.070+002	5.840+002	5.790+002	5.750+002
THALL	3	2.5	INCHES	DEG F	8.080+002	7.950+002	7.430+002	7.210+002	7.330+002	7.380+002	7.450+002	7.510+002
THALL	3	4.125	INCHES	DEG F	8.500+002	8.340+002	7.600+002	7.710+002	7.930+002	7.870+002	8.100+002	8.140+002
THALL	3	5.5	INCHES	DEG F	8.070+002	8.230+002	7.780+002	7.530+002	7.640+002	7.390+002	7.540+002	7.480+002
THALL	3	7.0	INCHES	DEG F	7.010+002	7.570+002	7.290+002	6.770+002	6.700+002	6.390+002	6.420+002	6.380+002
THALL	3	8.5	INCHES	DEG F	6.180+002	6.670+002	6.770+002	6.190+002	6.020+002	5.920+002	5.910+002	5.900+002
THALL	3	10.125	INCHES	DEG F	5.790+002	6.060+002	6.260+002	5.710+002	5.580+002	5.580+002	5.570+002	5.560+002
THALL	3	12.625	INCHES	DEG F	5.490+002	5.560+002	5.710+002	5.400+002	5.350+002	5.340+002	5.310+002	5.250+002
THALL	3	15.0	INCHES	DEG F	5.760+002	5.730+002	5.800+002	5.600+002	5.620+002	5.570+002	5.560+002	5.540+002
THALL	3	17.125	INCHES	DEG F	5.750+002	5.690+002	5.740+002	5.600+002	5.630+002	5.600+002	5.640+002	5.570+002
THALL	3	20.0	INCHES	DEG F	5.870+002	5.770+002	5.810+002	5.720+002	5.770+002	5.740+002	5.770+002	5.710+002
THALL	3	22.625	INCHES	DEG F	5.900+002	5.790+002	5.820+002	5.770+002	5.810+002	5.790+002	5.840+002	5.770+002
THALL	3	25.25	INCHES	DEG F	5.870+002	5.740+002	5.760+002	5.740+002	5.800+002	5.770+002	5.800+002	5.730+002
THALL	3	28.75	INCHES	DEG F	5.980+002	5.860+002	5.890+002	5.870+002	5.910+002	5.850+002	5.940+002	5.890+002
THALL	3	32.5	INCHES	DEG F	6.180+002	6.080+002	6.140+002	6.200+002	6.320+002	6.370+002	6.620+002	6.680+002
THALL	3	36.0	INCHES	DEG F	6.390+002	6.360+002	6.450+002	6.630+002	6.760+002	6.910+002	7.260+002	7.340+002
THALL	3	39.5	INCHES	DEG F	6.590+002	6.550+002	6.710+002	6.950+002	7.120+002	7.230+002	7.600+002	7.600+002
THALL	3	43.0	INCHES	DEG F	6.860+002	6.860+002	7.060+002	7.300+002	7.460+002	7.540+002	7.870+002	7.910+002
THALL	3	46.75	INCHES	DEG F	7.080+002	7.080+002	7.280+002	7.500+002	7.660+002	7.730+002	8.020+002	8.040+002
THALL	3	49.5	INCHES	DEG F	7.180+002	7.230+002	7.450+002	7.730+002	7.900+002	8.010+002	8.310+002	8.430+002
THALL	3	53.25	INCHES	DEG F	7.430+002	7.520+002	7.800+002	8.110+002	8.330+002	8.460+002	8.820+002	8.990+002
THALL	3	57.0	INCHES	DEG F	7.790+002	8.040+002	8.460+002	8.880+002	9.170+002	9.410+002	9.930+002	1.020+003
THALL	3	60.25	INCHES	DEG F	7.920+002	8.230+002	8.740+002	9.360+002	9.810+002	1.005+003	1.065+003	1.026+003
THALL	3	64.125	INCHES	DEG F	8.110+002	8.390+002	8.840+002	9.340+002	9.750+002	9.670+002	1.025+003	1.052+003
THALL	3	67.375	INCHES	DEG F	8.240+002	8.480+002	8.950+002	9.460+002	9.780+002	8.800+002	9.360+002	9.110+002
THALL	3	71.0	INCHES	DEG F	8.140+002	8.480+002	8.860+002	9.400+002	8.620+002	8.520+002	8.840+002	8.710+002
THALL	3	74.125	INCHES	DEG F	8.590+002	8.950+002	9.070+002	9.010+002	8.740+002	8.920+002	9.180+002	9.220+002
THALL	3	78.0	INCHES	DEG F	8.670+002	8.950+002	9.010+002	8.930+002	8.860+002	8.990+002	9.180+002	9.290+002
THALL	3	81.5	INCHES	DEG F	8.950+002	9.060+002	9.140+002	9.050+002	9.080+002	9.040+002	9.140+002	9.400+002
THALL	3	85.0	INCHES	DEG F	9.080+002	9.180+002	9.280+002	9.190+002	9.250+002	9.200+002	9.150+002	9.450+002
THALL	3	88.5	INCHES	DEG F	9.140+002	9.290+002	9.360+002	9.280+002	9.380+002	9.360+002	9.460+002	9.720+002
THALL	3	91.75	INCHES	DEG F	9.430+002	9.550+002	9.650+002	9.560+002	9.550+002	9.560+002	9.650+002	9.950+002
THALL	3	95.0	INCHES	DEG F	9.570+002	9.730+002	9.830+002	9.760+002	9.680+002	9.700+002	9.820+002	1.012+003
FUEL PRES	3	0.0	INCHES	PSIG	4.356+002	4.414+002	4.414+002	4.360+002	4.321+002	4.343+002	4.301+002	4.315+002
FUEL PRES	3	24.0	INCHES	PSIG	4.308+002	4.370+002	4.372+002	4.317+002	4.278+002	4.304+002	4.255+002	4.272+002
FUEL PRES	3	48.0	INCHES	PSIG	4.230+002	4.302+002	4.304+002	4.248+002	4.208+002	4.235+002	4.185+002	4.202+002
FUEL PRES	3	72.0	INCHES	PSIG	4.192+002	4.247+002	4.247+002	4.186+002	4.150+002	4.171+002	4.115+002	4.127+002
FUEL PRES	3	96.0	INCHES	PSIG	3.979+002	4.055+002	4.076+002	3.992+002	3.961+002	4.001+002	3.957+002	3.966+002
FUEL INLET TEMP				DEG F	8.700+001	9.000+001	9.500+001	9.900+001	1.010+002	1.050+002	1.070+002	1.000+002
FUEL TEMP	3	24.0	INCHES	DEG F	3.880+002	3.900+002	3.960+002	3.910+002	3.920+002	3.920+002	3.940+002	3.940+002
FUEL TEMP	3	48.0	INCHES	DEG F	5.750+002	5.770+002	5.840+002	5.840+002	5.800+002	5.860+002	5.890+002	5.920+002
FUEL TEMP	3	72.0	INCHES	DEG F	7.620+002	7.630+002	7.730+002	7.720+002	7.740+002	7.700+002	7.730+002	7.740+002
FUEL TEMP	3	96.0	INCHES	DEG F	9.050+002	8.830+002	8.940+002	9.030+002	9.150+002	9.090+002	8.890+002	8.870+002
FLOW RATE	LR/HR				5.949+001	5.894+001	5.853+001	5.973+001	5.943+001	6.026+001	6.074+001	6.067+001
CURRENT	AMPS				1.241+002	1.191+002	1.187+002	1.208+002	1.215+002	1.191+002	1.170+002	1.150+002
VOLTAGE	VOLTS				7.371+001	7.101+001	7.095+001	7.258+001	7.353+001	7.205+001	7.030+001	6.963+001
FUEL	LR/HR				8.671+000	8.820+000	7.935+000	8.310+000	8.471+000	8.135+000	7.798+000	7.592+000
FUEL	LR/HR				4.670+001	4.505+001	4.985+001	4.660+001	4.752+001	4.570+001	4.390+001	4.264+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 12 JULY 13, 1982

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER @ 0.0 INCHES	2.651+003	2.620+003	2.609+003	2.662+003	2.667+003	2.686+003	2.707+003	2.704+003
REYNOLDS NUMBER @ 12.0 INCHES	8.385+003	8.310+003	8.251+003	8.419+003	8.434+003	8.494+003	8.562+003	8.552+003
REYNOLDS NUMBER @ 36.0 INCHES	2.102+004	2.094+004	2.053+004	2.111+004	2.115+004	2.130+004	2.147+004	2.144+004
REYNOLDS NUMBER @ 60.0 INCHES	3.825+004	3.791+004	3.763+004	3.840+004	3.847+004	3.874+004	3.905+004	3.901+004
REYNOLDS NUMBER @ 84.0 INCHES	1.997+005	1.990+005	1.965+005	2.005+005	2.009+005	2.023+005	2.039+005	2.037+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.070+002	9.816+003	9.402+003	9.308+003	9.264+003	9.203+003	9.519+003	9.036+003
FRICTION FACTOR @ 36.0 INCHES	1.313+002	1.316+002	1.331+002	1.307+002	1.310+002	1.269+002	1.279+002	1.283+002
FRICTION FACTOR @ 60.0 INCHES	7.259+003	6.757+003	9.168+003	9.604+003	8.926+003	9.756+003	1.054+002	1.126+002
FRICTION FACTOR @ 84.0 INCHES	1.232+002	1.131+002	1.023+002	1.116+002	1.084+002	9.611+003	8.776+003	8.936+003
U @ 1.125 IN. BTU/FT2-SEC-F	7.921+002	7.534+002	8.083+002	9.066+002	9.406+002	9.463+002	9.165+002	8.999+002
U @ 2.5 IN. BTU/FT2-SEC-F	7.062+002	6.650+002	7.100+002	7.746+002	7.742+002	7.375+002	6.990+002	6.741+002
U @ 4.125 IN. BTU/FT2-SEC-F	6.848+002	6.479+002	6.994+002	7.383+002	7.273+002	7.049+002	6.925+002	6.315+002
U @ 5.5 IN. BTU/FT2-SEC-F	7.481+002	6.754+002	7.211+002	7.019+002	7.826+002	7.838+002	7.324+002	7.203+002
U @ 7.0 IN. BTU/FT2-SEC-F	9.256+002	7.737+002	8.093+002	9.295+002	9.609+002	9.844+002	9.375+002	9.206+002
U @ 8.5 IN. BTU/FT2-SEC-F	1.146+001	9.516+002	9.278+002	1.097+001	1.165+001	1.147+001	1.102+001	1.076+001
U @ 10.125 IN. BTU/FT2-SEC-F	1.334+001	1.149+001	1.089+001	1.307+001	1.383+001	1.328+001	1.277+001	1.247+001
U @ 12.625 IN. BTU/FT2-SEC-F	1.604+001	1.450+001	1.377+001	1.584+001	1.643+001	1.593+001	1.533+001	1.525+001
U @ 15.0 IN. BTU/FT2-SEC-F	1.619+001	1.512+001	1.471+001	1.639+001	1.659+001	1.621+001	1.559+001	1.529+001
U @ 17.125 IN. BTU/FT2-SEC-F	1.783+001	1.686+001	1.648+001	1.808+001	1.822+001	1.770+001	1.670+001	1.671+001
U @ 20.0 IN. BTU/FT2-SEC-F	1.955+001	1.884+001	1.844+001	1.993+001	1.990+001	1.935+001	1.831+001	1.829+001
U @ 22.625 IN. BTU/FT2-SEC-F	2.221+001	2.163+001	2.123+001	2.263+001	2.263+001	2.194+001	2.054+001	2.068+001
U @ 25.25 IN. BTU/FT2-SEC-F	2.576+001	2.559+001	2.519+001	2.651+001	2.614+001	2.552+001	2.406+001	2.436+001
U @ 32.5 IN. BTU/FT2-SEC-F	2.828+001	2.812+001	2.748+001	2.876+001	2.861+001	2.871+001	2.604+001	2.613+001
U @ 36.0 IN. BTU/FT2-SEC-F	3.000+001	2.957+001	2.833+001	2.840+001	2.693+001	2.520+001	2.123+001	2.008+001
U @ 39.5 IN. BTU/FT2-SEC-F	3.132+001	2.954+001	2.777+001	2.600+001	2.447+001	2.202+001	1.806+001	1.702+001
U @ 43.0 IN. BTU/FT2-SEC-F	3.318+001	3.069+001	2.689+001	2.447+001	2.301+001	2.109+001	1.762+001	1.662+001
U @ 46.75 IN. BTU/FT2-SEC-F	3.505+001	3.242+001	2.822+001	2.580+001	2.416+001	2.241+001	1.880+001	1.694+001
U @ 49.5 IN. BTU/FT2-SEC-F	3.818+001	3.398+001	2.833+001	2.557+001	2.384+001	2.170+001	1.821+001	1.688+001
U @ 53.25 IN. BTU/FT2-SEC-F	3.929+001	3.388+001	2.788+001	2.432+001	2.224+001	2.013+001	1.666+001	1.523+001
U @ 57.0 IN. BTU/FT2-SEC-F	3.707+001	2.881+001	2.261+001	1.942+001	1.767+001	1.558+001	1.268+001	1.145+001
U @ 60.25 IN. BTU/FT2-SEC-F	4.072+001	2.991+001	2.225+001	1.771+001	1.542+001	1.370+001	1.116+001	1.031+001
U @ 64.125 IN. BTU/FT2-SEC-F	4.466+001	3.287+001	2.464+001	2.012+001	1.743+001	1.724+001	1.356+001	1.218+001
U @ 67.375 IN. BTU/FT2-SEC-F	5.007+001	3.715+001	2.646+001	2.129+001	1.746+001	2.834+001	2.093+001	2.314+001
U @ 71.0 IN. BTU/FT2-SEC-F	8.168+001	4.812+001	3.408+001	3.343+001	4.421+001	4.641+001	3.379+001	3.656+001
U @ 78.0 IN. BTU/FT2-SEC-F	5.775+001	3.743+001	3.309+001	3.695+001	4.790+001	3.895+001	3.056+001	2.894+001
U @ 81.5 IN. BTU/FT2-SEC-F	6.375+001	4.632+001	4.346+001	4.901+001	5.392+001	4.513+001	3.642+001	3.249+001
U @ 85.0 IN. BTU/FT2-SEC-F	7.106+001	5.154+001	4.702+001	5.403+001	5.323+001	5.351+001	4.591+001	3.513+001
U @ 88.5 IN. BTU/FT2-SEC-F	9.072+001	5.736+001	5.066+001	5.869+001	5.563+001	5.674+001	5.798+001	4.040+001
U @ 91.75 IN. BTU/FT2-SEC-F	7.691+001	6.558+001	5.926+001	6.876+001	6.125+001	6.039+001	5.112+001	3.818+001
U @ 95.0 IN. BTU/FT2-SEC-F	8.403+001	5.981+001	5.257+001	6.116+001	6.318+001	5.987+001	5.133+001	3.698+001
U @ 95.0 IN. BTU/FT2-SEC-F	8.403+001	6.091+001	5.342+001	6.065+001	6.701+001	6.449+001	5.208+001	3.775+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 12 JULY 13, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.000+002	2.250+002	2.700+002	3.000+002
THK	3 1.125 INCHES	.000	2.590-001	-1.013-001	-6.378-001	-7.975-001	-8.232-001	-6.857-001	-6.049-001
THK	3 2.5 INCHES	.000	3.443-001	-9.319-002	-4.998-001	-4.973-001	-2.401-001	5.880-002	2.703-001
THK	3 4.125 INCHES	.000	3.321-001	-1.225-001	-4.235-001	-3.418-001	-1.672-001	2.887-001	4.925-001
THK	3 5.5 INCHES	.000	5.761-001	2.006-001	-2.307-001	-2.350-001	-2.435-001	1.146-001	2.064-001
THK	3 7.0 INCHES	.000	8.480-001	6.209-001	-1.815-002	-1.550-001	-2.504-001	-5.495-002	2.324-002
THK	3 8.5 INCHES	.000	7.180-001	8.255-001	1.598-001	-5.255-002	1.712-003	1.437-001	2.327-001
THK	3 10.125 INCHES	.000	4.831-001	6.767-001	6.152-002	-1.060-001	1.340-002	1.347-001	2.103-001
THK	3 12.625 INCHES	.000	2.646-001	4.104-001	3.109-002	-5.905-002	3.277-002	1.148-001	1.293-001
THK	3 15.0 INCHES	.000	1.739-001	2.479-001	-2.987-002	-5.959-002	-3.752-003	9.401-002	1.448-001
THK	3 17.125 INCHES	.000	1.289-001	1.838-001	-3.117-002	-4.812-002	1.632-002	1.508-001	1.501-001
THK	3 20.0 INCHES	.000	7.731-002	1.223-001	-3.975-002	-3.595-002	2.003-002	1.378-001	1.407-001
THK	3 22.625 INCHES	.000	4.849-002	8.332-002	-3.327-002	-3.332-002	2.217-002	1.468-001	1.340-001
THK	3 25.25 INCHES	.000	1.060-002	3.526-002	-4.403-002	-2.234-002	1.461-002	1.099-001	8.934-002
THK	3 28.75 INCHES	.000	8.242-003	4.121-002	-3.290-002	-2.559-002	-2.076-002	1.218-001	1.166-001
THK	3 32.5 INCHES	.000	1.944-002	7.886-002	7.499-002	1.490-001	2.540-001	5.511-001	6.585-001
THK	3 36.0 INCHES	.000	7.703-002	1.632-001	2.611-001	3.579-001	5.392-001	9.375-001	1.073+000
THK	3 39.5 INCHES	.000	6.291-002	2.112-001	3.611-001	4.740-001	6.837-001	1.058+000	1.195+000
THK	3 43.0 INCHES	.000	9.785-002	2.819-001	4.294-001	5.327-001	6.745-001	1.057+000	1.156+000
THK	3 46.75 INCHES	.000	9.263-002	2.764-001	4.094-001	6.293-001	6.440-001	9.262-001	1.063+000
THK	3 49.5 INCHES	.000	1.294-001	3.377-001	5.168-001	6.293-001	7.954-001	1.149+000	1.321+000
THK	3 53.25 INCHES	.000	1.626-001	4.174-001	6.269-001	7.805-001	9.635-001	1.383+000	1.608+000
THK	3 57.0 INCHES	.000	3.096-001	6.902-001	9.809-001	1.185+000	1.489+000	2.075+000	2.414+000
THK	3 60.25 INCHES	.000	3.550-001	8.157-001	1.277+000	1.612+000	1.938+000	2.603+000	2.897+000
THK	3 64.125 INCHES	.000	3.213-001	7.209-001	1.093+000	1.400+000	1.424+000	2.055+000	2.388+000
THK	3 67.375 INCHES	.000	2.779-001	7.018-001	1.080+000	4.727-001	6.127-001	1.112+000	9.296-001
THK	3 71.0 INCHES	.000	3.417-001	6.842-001	7.068-001	4.150-001	3.648-001	6.941-001	6.043-001
THK	3 74.125 INCHES	.000	3.759-001	4.876-001	3.900-001	1.428-001	3.344-001	6.164-001	6.894-001
THK	3 78.0 INCHES	.000	2.948-001	3.521-001	2.475-001	1.731-001	3.175-001	5.294-001	6.624-001
THK	3 81.5 INCHES	.000	1.486-001	2.233-001	1.129-001	1.240-001	1.201-001	2.438-001	5.113-001
THK	3 85.0 INCHES	.000	1.345-001	2.267-001	1.107-001	1.561-001	1.401-001	1.270-001	4.271-001
THK	3 88.5 INCHES	.000	1.690-001	2.341-001	1.391-001	2.121-001	2.216-001	3.416-001	6.067-001
THK	3 91.75 INCHES	.000	1.489-001	2.409-001	1.340-001	1.131-001	1.480-001	2.591-001	5.617-001
THK	3 95.0 INCHES	.000	1.607-001	2.728-001	1.635-001	1.037-001	1.451-001	2.816-001	5.635-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 15 JULY 20, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002		
THALL	3	1.125	INCHES	DEG F	4.270+002	4.280+002	4.260+002	4.300+002	4.210+002	4.160+002	4.170+002
THALL	3	2.5	INCHES	DEG F	4.940+002	4.940+002	4.930+002	4.970+002	4.830+002	4.810+002	4.850+002
THALL	3	4.125	INCHES	DEG F	5.520+002	5.490+002	5.470+002	5.510+002	5.380+002	5.340+002	5.400+002
THALL	3	5.5	INCHES	DEG F	5.840+002	5.790+002	5.780+002	5.800+002	5.650+002	5.660+002	5.710+002
THALL	3	7.0	INCHES	DEG F	5.760+002	5.710+002	5.700+002	5.760+002	5.640+002	5.600+002	5.600+002
THALL	3	8.5	INCHES	DEG F	5.330+002	5.310+002	5.290+002	5.350+002	5.260+002	5.180+002	5.140+002
THALL	3	10.125	INCHES	DEG F	4.830+002	4.880+002	4.850+002	4.900+002	4.790+002	4.720+002	4.700+002
THALL	3	12.625	INCHES	DEG F	4.440+002	4.480+002	4.450+002	4.480+002	4.390+002	4.410+002	4.340+002
THALL	3	15.0	INCHES	DEG F	3.340+002	3.430+002	3.320+002	3.380+002	3.630+002	3.420+002	3.240+002
THALL	3	17.125	INCHES	DEG F	3.350+002	4.290+002	4.270+002	4.300+002	4.270+002	4.310+002	4.240+002
THALL	3	20.0	INCHES	DEG F	4.330+002	4.370+002	4.360+002	4.390+002	4.340+002	4.400+002	4.330+002
THALL	3	22.625	INCHES	DEG F	4.340+002	4.390+002	4.360+002	4.400+002	4.420+002	4.420+002	4.340+002
THALL	3	25.25	INCHES	DEG F	4.490+002	4.540+002	4.510+002	4.550+002	4.480+002	4.560+002	4.450+002
THALL	3	28.75	INCHES	DEG F	4.580+002	4.640+002	4.570+002	4.650+002	4.580+002	4.670+002	4.540+002
THALL	3	32.5	INCHES	DEG F	4.760+002	4.820+002	4.750+002	4.830+002	4.750+002	4.860+002	4.730+002
THALL	3	36.0	INCHES	DEG F	4.880+002	4.930+002	4.870+002	4.950+002	4.870+002	4.960+002	4.860+002
THALL	3	39.5	INCHES	DEG F	5.040+002	5.080+002	5.030+002	5.110+002	5.030+002	5.160+002	5.020+002
THALL	3	43.0	INCHES	DEG F	5.170+002	5.230+002	5.180+002	5.260+002	5.260+002	5.320+002	5.160+002
THALL	3	46.75	INCHES	DEG F	5.360+002	5.420+002	5.350+002	5.430+002	5.450+002	5.500+002	5.330+002
THALL	3	49.5	INCHES	DEG F	5.540+002	5.590+002	5.510+002	5.590+002	5.620+002	5.680+002	5.500+002
THALL	3	53.25	INCHES	DEG F	5.690+002	5.740+002	5.690+002	5.790+002	5.830+002	5.930+002	5.840+002
THALL	3	57.0	INCHES	DEG F	5.860+002	5.980+002	5.900+002	6.030+002	6.080+002	6.260+002	6.290+002
THALL	3	60.25	INCHES	DEG F	6.020+002	6.170+002	6.080+002	6.240+002	6.350+002	6.540+002	6.610+002
THALL	3	64.125	INCHES	DEG F	6.220+002	6.390+002	6.320+002	6.500+002	6.670+002	6.870+002	6.930+002
THALL	3	67.375	INCHES	DEG F	6.080+002	6.290+002	6.200+002	6.370+002	6.680+002	6.860+002	6.890+002
THALL	3	71.0	INCHES	DEG F	6.630+002	6.810+002	6.800+002	6.570+002	7.130+002	7.260+002	7.460+002
THALL	3	74.125	INCHES	DEG F	6.780+002	7.010+002	7.070+002	7.260+002	7.470+002	7.570+002	7.770+002
THALL	3	78.0	INCHES	DEG F	6.890+002	7.240+002	7.360+002	7.640+002	7.920+002	8.110+002	8.380+002
THALL	3	81.5	INCHES	DEG F	7.060+002	7.570+002	7.840+002	8.280+002	8.790+002	9.790+002	1.051+003
THALL	3	85.0	INCHES	DEG F	7.310+002	7.970+002	8.240+002	8.680+002	9.190+002	9.560+002	1.018+003
THALL	3	88.5	INCHES	DEG F	7.270+002	7.810+002	8.640+002	9.250+002	9.610+002	9.750+002	1.019+003
THALL	3	91.75	INCHES	DEG F	7.590+002	7.920+002	8.230+002	8.330+002	8.690+002	8.920+002	9.430+002
THALL	3	95.0	INCHES	DEG F	7.710+002	7.920+002	8.120+002	8.180+002	8.430+002	8.590+002	9.000+002
FUEL PRES	3	0.0	INCHES	PSIG	4.164+002	4.202+002	4.202+002	4.215+002	4.233+002	4.225+002	4.267+002
FUEL PRES	3	24.0	INCHES	PSIG	4.117+002	4.156+002	4.156+002	4.169+002	4.186+002	4.206+002	4.222+002
FUEL PRES	3	48.0	INCHES	PSIG	4.078+002	4.119+002	4.119+002	4.133+002	4.150+002	4.144+002	4.187+002
FUEL PRES	3	72.0	INCHES	PSIG	4.041+002	4.083+002	4.032+002	4.077+002	4.113+002	4.106+002	4.151+002
FUEL PRES	3	96.0	INCHES	PSIG	3.964+002	3.999+002	3.978+002	3.903+002	3.982+002	3.953+002	3.969+002
FUEL INLET TEMP				DEG F	8.500+001	8.500+001	8.500+001	8.700+001	8.760+001	8.800+001	9.000+001
FUEL TEMP	3	24.0	INCHES	DEG F	2.940+002	2.920+002	2.940+002	2.950+002	2.950+002	2.930+002	2.960+002
FUEL TEMP	3	48.0	INCHES	DEG F	4.400+002	4.340+002	4.370+002	4.400+002	4.410+002	4.400+002	4.420+002
FUEL TEMP	3	72.0	INCHES	DEG F	5.820+002	5.740+002	5.810+002	5.820+002	5.860+002	5.870+002	5.950+002
FUEL TEMP	3	96.0	INCHES	DEG F	7.110+002	6.990+002	7.070+002	7.110+002	7.020+002	7.070+002	7.140+002
FUEL RATE			LB/HR		5.920+001	5.978+001	5.970+001	5.960+001	6.052+001	6.054+001	5.916+001
UNION			AMPS		1.078+002	1.039+002	1.066+002	1.068+002	1.063+002	1.018+002	1.034+002
VOLUME			VOLTS		6.070+001	5.960+001	5.920+001	5.954+001	5.914+001	5.871+001	5.930+001
POWER			RU/SEC		6.702+000	5.967+000	5.976+000	5.913+000	5.849+000	5.694+000	5.882+000
EDU			SEC-COFT		3.434+001	3.265+001	3.391+001	3.332+001	3.226+001	3.274+001	3.149+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 15 JULY 20, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER @ 0.0 INCHES	2.573+003	2.590+003	2.595+003	2.590+003	2.631+003	2.631+003	2.600+003	2.571+003
REYNOLDS NUMBER @ 12.0 INCHES	6.317+003	6.370+003	6.370+003	6.359+003	6.450+003	6.460+003	6.382+003	6.312+003
REYNOLDS NUMBER @ 36.0 INCHES	1.425+004	1.439+004	1.437+004	1.434+004	1.457+004	1.457+004	1.440+004	1.424+004
REYNOLDS NUMBER @ 60.0 INCHES	2.284+004	2.306+004	2.303+004	2.299+004	2.335+004	2.336+004	2.308+004	2.282+004
REYNOLDS NUMBER @ 84.0 INCHES	3.506+004	3.540+004	3.536+004	3.529+004	3.584+004	3.505+004	3.542+004	3.503+004
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.061-002	1.032-002	1.024-002	1.021-002	1.008-002	9.548-003	9.611-003	1.026-002
FRICTION FACTOR @ 36.0 INCHES	8.072-003	7.484-003	7.539-003	7.431-003	7.200-003	7.254-003	7.212-003	7.192-003
FRICTION FACTOR @ 60.0 INCHES	6.967-003	6.601-003	6.834-003	6.675-003	6.670-003	6.752-003	6.715-003	6.727-003
FRICTION FACTOR @ 84.0 INCHES	1.256-002	1.354-002	1.676-002	1.836-002	2.052-002	2.324-002	2.711-002	2.902-002
U @ 1.125 IN. BTU/FT2-SEC-F	1.049-001	9.858-002	9.966-002	9.909-002	1.007-001	1.019-001	9.804-002	1.015-001
U @ 2.5 IN. BTU/FT2-SEC-F	8.996-002	8.482-002	8.546-002	8.512-002	8.733-002	8.750-002	8.238-002	8.646-002
U @ 4.125 IN. BTU/FT2-SEC-F	8.081-002	7.673-002	7.747-002	7.723-002	7.878-002	7.927-002	7.478-002	7.803-002
U @ 5.5 IN. BTU/FT2-SEC-F	7.722-002	7.363-002	7.416-002	7.429-002	7.534-002	7.560-002	7.139-002	7.465-002
U @ 7.0 IN. BTU/FT2-SEC-F	8.101-002	7.728-002	7.784-002	7.724-002	7.860-002	7.908-002	7.497-002	7.898-002
U @ 8.5 IN. BTU/FT2-SEC-F	9.315-002	8.830-002	8.921-002	8.834-002	8.950-002	9.121-002	8.652-002	9.213-002
U @ 10.125 IN. BTU/FT2-SEC-F	1.124-001	1.043-001	1.059-001	1.048-001	1.074-001	1.094-001	1.013-001	1.102-001
U @ 12.625 IN. BTU/FT2-SEC-F	1.399-001	1.298-001	1.320-001	1.313-001	1.346-001	1.336-001	1.280-001	1.368-001
U @ 15.0 IN. BTU/FT2-SEC-F	2.943-001	2.579-001	2.836-001	2.714-001	2.230-001	2.591-001	2.616-001	3.018-001
U @ 17.125 IN. BTU/FT2-SEC-F	3.454-001	1.686-001	1.711-001	1.696-001	1.704-001	1.663-001	1.591-001	1.722-001
U @ 20.0 IN. BTU/FT2-SEC-F	2.004-001	1.847-001	1.867-001	1.847-001	1.879-001	1.811-001	1.732-001	1.861-001
U @ 22.625 IN. BTU/FT2-SEC-F	2.292-001	2.092-001	2.144-001	2.103-001	2.162-001	2.047-001	1.968-001	2.152-001
U @ 25.25 IN. BTU/FT2-SEC-F	2.363-001	2.155-001	2.209-001	2.165-001	2.244-001	2.094-001	2.026-001	2.281-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.578-001	2.328-001	2.461-001	2.337-001	2.432-001	2.272-001	2.185-001	2.457-001
U @ 32.5 IN. BTU/FT2-SEC-F	2.674-001	2.410-001	2.553-001	2.419-001	2.541-001	2.334-001	2.261-001	2.569-001
U @ 36.0 IN. BTU/FT2-SEC-F	2.879-001	2.607-001	2.751-001	2.595-001	2.738-001	2.538-001	2.441-001	2.748-001
U @ 39.5 IN. BTU/FT2-SEC-F	3.011-001	2.744-001	2.878-001	2.707-001	2.864-001	2.564-001	2.525-001	2.876-001
U @ 43.0 IN. BTU/FT2-SEC-F	3.243-001	2.896-001	3.044-001	2.853-001	2.822-001	2.675-001	2.637-001	3.073-001
U @ 46.75 IN. BTU/FT2-SEC-F	3.362-001	2.997-001	3.217-001	3.003-001	2.910-001	2.784-001	2.748-001	3.251-001
U @ 49.5 IN. BTU/FT2-SEC-F	3.314-001	2.993-001	3.232-001	3.016-001	2.905-001	2.749-001	2.735-001	3.234-001
U @ 53.25 IN. BTU/FT2-SEC-F	3.557-001	3.191-001	3.370-001	3.077-001	2.935-001	2.685-001	2.582-001	2.896-001
U @ 57.0 IN. BTU/FT2-SEC-F	3.756-001	3.136-001	3.412-001	3.026-001	2.863-001	2.467-001	2.270-001	2.409-001
U @ 60.25 IN. BTU/FT2-SEC-F	3.891-001	3.143-001	3.456-001	2.978-001	2.685-001	2.281-001	2.092-001	2.202-001
U @ 64.125 IN. BTU/FT2-SEC-F	4.023-001	3.171-001	3.417-001	2.899-001	2.497-001	2.160-001	1.973-001	2.075-001
U @ 67.375 IN. BTU/FT2-SEC-F	4.528-001	4.417-001	4.007-001	3.245-001	2.898-001	2.493-001	2.292-001	2.434-001
U @ 71.0 IN. BTU/FT2-SEC-F	4.008-001	3.131-001	3.176-001	2.600-001	2.315-001	2.184-001	1.821-001	1.925-001
U @ 74.125 IN. BTU/FT2-SEC-F	4.119-001	3.053-001	2.906-001	2.505-001	2.133-001	2.002-001	1.744-001	1.781-001
U @ 78.0 IN. BTU/FT2-SEC-F	4.660-001	2.993-001	2.711-001	2.218-001	1.849-001	1.664-001	1.440-001	1.462-001
U @ 81.5 IN. BTU/FT2-SEC-F	4.776-001	2.650-001	1.917-001	1.704-001	1.335-001	9.465-002	7.796-002	7.625-002
U @ 85.0 IN. BTU/FT2-SEC-F	4.403-001	2.263-001	1.910-001	1.537-001	1.230-001	1.077-001	9.098-002	8.932-002
U @ 89.5 IN. BTU/FT2-SEC-F	6.106-001	2.974-001	1.707-001	1.306-001	1.132-001	1.076-001	9.505-002	9.337-002
U @ 91.75 IN. BTU/FT2-SEC-F	4.917-001	3.163-001	2.444-001	2.293-001	1.817-001	1.606-001	1.352-001	1.293-001
U @ 95.0 IN. BTU/FT2-SEC-F	5.329-001	3.803-001	3.103-001	2.956-001	2.392-001	2.135-001	1.785-001	1.682-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 15 JULY 20, 1982

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK @ 1.125 INCHES	MILS	2.432-001	1.992-001	2.222-001	1.566-001	1.093-001	2.656-001	1.265-001
THK @ 2.5 INCHES	MILS	2.693-001	2.342-001	2.531-001	1.336-001	1.252-001	4.090-001	1.799-001
THK @ 4.125 INCHES	MILS	2.633-001	2.135-001	2.295-001	1.276-001	9.628-002	3.969-001	1.761-001
THK @ 5.5 INCHES	MILS	2.528-001	2.142-001	2.046-001	1.292-001	1.110-001	4.234-001	1.769-001
THK @ 7.0 INCHES	MILS	2.332-001	2.008-001	2.409-001	1.512-001	1.200-001	3.977-001	1.264-001
THK @ 8.5 INCHES	MILS	2.357-001	1.894-001	2.336-001	1.733-001	9.105-002	3.293-001	4.771-002
THK @ 10.125 INCHES	MILS	2.764-001	2.213-001	2.579-001	1.655-001	9.287-002	3.907-001	7.305-002
THK @ 12.625 INCHES	MILS	2.219-001	1.705-001	1.877-001	1.113-001	1.338-001	2.658-001	6.423-002
THK @ 15.0 INCHES	MILS	1.919-001	5.106-002	1.145-001	4.349-001	1.845-001	1.698-001	3.365-002
THK @ 17.125 INCHES	MILS	1.175+000	1.179+000	1.201+000	1.190+000	1.247+000	1.355+000	1.164+000
THK @ 20.0 INCHES	MILS	1.696-001	1.669-001	1.676-001	1.323-001	2.130-001	3.137-001	1.302-001
THK @ 22.625 INCHES	MILS	1.666-001	1.209-001	1.574-001	1.051-001	2.092-001	2.870-001	1.136-001
THK @ 25.25 INCHES	MILS	1.634-001	1.100-001	1.548-001	8.972-002	2.180-001	2.815-001	6.147-002
THK @ 28.75 INCHES	MILS	1.670-001	7.301-002	1.600-001	9.339-002	2.090-001	2.792-001	7.673-002
THK @ 32.5 INCHES	MILS	1.637-001	7.075-002	1.573-001	7.147-002	2.177-001	2.733-001	6.089-002
THK @ 36.0 INCHES	MILS	1.450-001	6.404-002	1.521-001	7.147-002	1.865-001	2.493-001	6.616-002
THK @ 39.5 INCHES	MILS	1.292-001	6.148-002	1.491-001	6.781-002	2.315-001	2.555-001	6.220-002
THK @ 43.0 INCHES	MILS	1.478-001	8.044-002	1.686-001	1.838-001	2.620-001	2.835-001	6.822-002
THK @ 46.75 INCHES	MILS	1.451-001	5.378-002	1.423-001	1.812-001	2.470-001	2.661-001	4.070-002
THK @ 49.5 INCHES	MILS	1.340-001	3.951-002	1.191-001	1.701-001	2.481-001	2.553-001	2.981-002
THK @ 53.25 INCHES	MILS	1.290-001	6.229-002	1.753-001	2.301-001	3.650-001	4.244-001	2.568-001
THK @ 57.0 INCHES	MILS	2.106-001	1.075-001	2.567-001	3.319-001	5.567-001	6.975-001	5.954-001
THK @ 60.25 INCHES	MILS	2.449-001	1.297-001	3.151-001	4.635-001	7.253-001	8.841-001	7.887-001
THK @ 64.125 INCHES	MILS	2.672-001	1.763-001	3.857-001	6.077-001	8.575-001	1.033+000	9.333-001
THK @ 67.375 INCHES	MILS	2.929-001	3.854-001	6.200-001	7.673-001	9.920-001	1.132+000	1.031+000
THK @ 71.0 INCHES	MILS	2.797-001	2.613-001	4.943-001	7.286-001	8.333-001	1.198+000	1.080+000
THK @ 74.125 INCHES	MILS	3.389-001	4.952-001	6.254-001	8.985-001	1.027+000	1.323+000	1.774+000
THK @ 78.0 INCHES	MILS	4.732-001	6.171-001	9.451-001	1.304+000	1.545+000	1.920+000	1.878+000
THK @ 81.5 INCHES	MILS	6.718-001	9.916-001	1.510+000	2.356+000	3.356+000	4.294+000	4.274+000
THK @ 85.0 INCHES	MILS	8.588-001	1.177+000	1.694+000	2.343+000	2.807+000	3.488+000	3.570+000
THK @ 89.5 INCHES	MILS	6.968-001	1.676+000	2.416+000	2.883+000	3.071+000	3.562+000	3.614+000
THK @ 91.75 INCHES	MILS	4.511-001	8.206-001	9.309-001	1.383+000	1.677+000	2.144+000	2.304+000
THK @ 95.0 INCHES	MILS	3.012-001	5.384-001	6.026-001	9.217-001	1.123+000	1.490+000	1.627+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 16 JULY 22, 1982

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THALL 3 1.125 INCHES	5.780+002	5.710+002	5.660+002	5.640+002	5.550+002	5.470+002	5.450+002	5.400+002
THALL 3 2.5 INCHES	6.610+002	6.510+002	6.460+002	6.150+002	6.020+002	5.940+002	5.920+002	5.860+002
THALL 3 4.125 INCHES	5.860+002	5.770+002	5.710+002	5.650+002	5.730+002	5.450+002	5.450+002	5.400+002
THALL 3 5.5 INCHES	5.540+002	5.480+002	5.420+002	5.380+002	5.320+002	5.250+002	5.210+002	5.220+002
THALL 3 7.0 INCHES	5.340+002	5.280+002	5.250+002	5.230+002	5.170+002	5.120+002	5.100+002	5.100+002
THALL 3 8.5 INCHES	5.270+002	5.200+002	5.170+002	5.170+002	5.110+002	5.080+002	5.060+002	5.070+002
THALL 3 10.125 INCHES	5.190+002	5.140+002	5.110+002	5.080+002	5.080+002	5.040+002	5.030+002	5.040+002
THALL 3 12.625 INCHES	5.220+002	5.160+002	5.120+002	5.110+002	5.100+002	5.090+002	5.070+002	5.100+002
THALL 3 15.0 INCHES	5.240+002	5.190+002	5.150+002	5.140+002	5.140+002	5.120+002	5.130+002	5.150+002
THALL 3 17.125 INCHES	5.290+002	5.230+002	5.200+002	5.200+002	5.200+002	5.170+002	5.180+002	5.190+002
THALL 3 20.0 INCHES	5.520+002	5.430+002	5.390+002	5.390+002	5.390+002	5.380+002	5.370+002	5.420+002
THALL 3 22.625 INCHES	5.580+002	5.500+002	5.460+002	5.460+002	5.460+002	5.480+002	5.450+002	5.470+002
THALL 3 25.25 INCHES	5.690+002	5.640+002	5.580+002	5.590+002	5.540+002	5.590+002	5.560+002	5.610+002
THALL 3 28.75 INCHES	5.930+002	5.860+002	5.790+002	5.790+002	5.750+002	5.810+002	5.810+002	5.830+002
THALL 3 32.5 INCHES	6.110+002	6.050+002	5.940+002	5.980+002	5.950+002	6.010+002	6.030+002	6.060+002
THALL 3 36.0 INCHES	6.350+002	6.330+002	5.570+002	6.560+002	6.760+002	7.380+002	8.010+002	8.440+002
THALL 3 39.5 INCHES	6.590+002	6.710+002	5.920+002	7.460+002	8.110+002	9.010+002	9.710+002	1.014+003
THALL 3 43.0 INCHES	6.850+002	7.100+002	6.640+002	8.370+002	9.030+002	9.830+002	1.043+003	1.078+003
THALL 3 46.75 INCHES	6.990+002	7.350+002	7.070+002	8.550+002	9.050+002	9.670+002	1.013+003	1.040+003
THALL 3 49.5 INCHES	7.210+002	7.630+002	6.950+002	8.659+002	9.060+002	9.620+002	1.000+003	1.024+003
THALL 3 53.25 INCHES	7.460+002	7.920+002	7.460+002	8.860+002	9.200+002	9.670+002	1.004+003	1.026+003
THALL 3 57.0 INCHES	7.760+002	8.280+002	7.050+002	9.230+002	9.580+002	1.006+003	1.043+003	1.067+003
THALL 3 60.25 INCHES	7.960+002	8.540+002	7.490+002	9.480+002	9.890+002	1.041+003	1.078+003	1.104+003
THALL 3 64.125 INCHES	8.310+002	9.110+002	7.300+002	1.072+003	1.196+003	1.285+003	1.319+003	1.338+003
THALL 3 67.375 INCHES	8.440+002	9.130+002	7.740+002	1.021+003	1.076+003	1.126+003	1.159+003	1.186+003
THALL 3 71.0 INCHES	8.680+002	9.590+002	7.770+002	1.096+003	1.162+003	1.210+003	1.244+003	1.260+003
THALL 3 74.125 INCHES	8.650+002	9.610+002	8.160+002	1.041+003	1.083+003	1.134+003	1.151+003	1.157+003
THALL 3 78.0 INCHES	8.910+002	1.004+003	7.800+002	9.970+002	1.010+003	1.030+003	1.046+003	1.055+003
THALL 3 81.5 INCHES	9.000+002	9.680+002	7.800+002	9.650+002	9.740+002	9.870+002	9.920+002	9.980+002
THALL 3 85.0 INCHES	9.350+002	9.800+002	7.870+002	9.730+002	9.830+002	9.930+002	9.950+002	9.990+002
THALL 3 88.5 INCHES	9.220+002	9.600+002	8.150+002	9.620+002	9.690+002	9.800+002	9.860+002	9.910+002
THALL 3 91.75 INCHES	9.720+002	1.002+003	8.130+002	1.008+003	1.022+003	1.040+003	1.049+003	1.058+003
THALL 3 95.0 INCHES	9.830+002	1.015+003	8.320+002	1.029+003	1.041+003	1.064+003	1.071+003	1.081+003
FUEL PRES 3 0.0 INCHES PSIG	5.116+002	5.117+002	5.151+002	5.215+002	5.229+002	5.224+002	5.294+002	5.304+002
FUEL PRES 3 24.0 INCHES PSIG	4.915+002	4.924+002	4.961+002	5.021+002	5.033+002	5.033+002	5.105+002	5.118+002
FUEL PRES 3 48.0 INCHES PSIG	4.769+002	4.784+002	4.824+002	4.804+002	4.904+002	4.897+002	4.970+002	4.983+002
FUEL PRES 3 72.0 INCHES PSIG	4.630+002	4.636+002	4.664+002	4.690+002	4.682+002	4.649+002	4.706+002	4.714+002
FUEL PRES 3 96.0 INCHES PSIG	3.771+002	3.825+002	3.876+002	3.868+002	3.871+002	3.869+002	3.907+002	3.907+002
FUEL INLET TEMP	8.400+001	8.700+001	8.500+001	9.200+001	9.600+001	9.900+001	1.030+002	1.060+002
FUEL TEMP 3 24.0 INCHES DEG F	3.770+002	3.730+002	3.620+002	3.720+002	3.750+002	3.750+002	3.750+002	3.750+002
FUEL TEMP 3 48.0 INCHES DEG F	5.700+002	5.680+002	5.670+002	5.720+002	5.780+002	5.790+002	5.830+002	5.860+002
FUEL TEMP 3 72.0 INCHES DEG F	7.630+002	7.710+002	7.830+002	7.960+002	8.100+002	8.190+002	8.310+002	8.380+002
FUEL TEMP 3 96.0 INCHES DEG F	8.930+002	8.800+002	8.810+002	8.940+002	8.920+002	8.870+002	8.970+002	8.970+002
FLOW RATE LB/HP	1.187+002	1.197+002	1.177+002	1.197+002	1.163+002	1.163+002	1.178+002	1.170+002
CUMULATIVE AMPS	1.765+002	1.724+002	1.677+002	1.724+002	1.705+002	1.689+002	1.674+002	1.661+002
VOLTAZ	1.040+002	1.025+002	1.017+002	1.036+002	1.054+002	1.027+002	1.021+002	1.013+002
WATTAGE	1.740+001	1.676+001	1.637+001	1.654+001	1.654+001	1.643+001	1.621+001	1.595+001
FUEL	9.776+001	9.413+001	9.154+001	9.513+001	9.317+001	9.731+001	9.107+001	8.860+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 16 JULY 22, 1982

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
PEYNOLDS NUMBER @ 0.0 INCHES	5.095+003	5.095+003	5.051+003	5.146+003	5.079+003	5.091+003	5.057+003	5.023+003
REYNOLDS NUMBER @ 12.0 INCHES	1.608+004	1.608+004	1.594+004	1.624+004	1.603+004	1.606+004	1.596+004	1.585+004
REYNOLDS NUMBER @ 36.0 INCHES	4.062+004	4.062+004	4.027+004	4.102+004	4.049+004	4.058+004	4.031+004	4.004+004
REYNOLDS NUMBER @ 60.0 INCHES	7.524+004	7.524+004	7.459+004	7.599+004	7.500+004	7.518+004	7.467+004	7.418+004
REYNOLDS NUMBER @ 84.0 INCHES	3.826+005	3.826+005	3.793+005	3.864+005	3.814+005	3.823+005	3.797+005	3.772+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.112-002	1.069-002	1.070-002	1.051-002	1.062-002	1.059-002	1.062-002	1.056-002
FRICTION FACTOR @ 36.0 INCHES	6.976-003	6.739-003	6.695-003	6.441-003	6.499-003	6.520-003	6.569-003	6.649-003
FRICTION FACTOR @ 60.0 INCHES	5.494-003	5.839-003	6.426-003	7.522-003	8.827-003	9.825-003	1.060-002	1.094-002
FRICTION FACTOR @ 84.0 INCHES	1.328-002	1.252-002	1.238-002	1.274-002	1.260-002	1.207-002	1.253-002	1.284-002
U @ 1.125 IN. BTU/FT2-SEC-F	2.035-001	1.989-001	1.943-001	2.040-001	2.036-001	2.055-001	2.036-001	2.026-001
U @ 2.5 IN. BTU/FT2-SEC-F	1.789-001	1.755-001	1.730-001	1.823-001	1.910-001	1.925-001	1.907-001	1.900-001
U @ 4.125 IN. BTU/FT2-SEC-F	2.164-001	2.127-001	2.106-001	2.209-001	2.123-001	2.248-001	2.218-001	2.209-001
U @ 5.5 IN. BTU/FT2-SEC-F	2.426-001	2.384-001	2.352-001	2.459-001	2.445-001	2.469-001	2.462-001	2.416-001
U @ 7.0 IN. BTU/FT2-SEC-F	2.681-001	2.625-001	2.586-001	2.691-001	2.679-001	2.695-001	2.674-001	2.631-001
U @ 8.5 IN. BTU/FT2-SEC-F	2.881-001	2.833-001	2.792-001	2.889-001	2.891-001	2.883-001	2.862-001	2.807-001
U @ 10.125 IN. BTU/FT2-SEC-F	3.139-001	3.072-001	3.020-001	3.167-001	3.100-001	3.114-001	3.083-001	3.023-001
U @ 12.625 IN. BTU/FT2-SEC-F	3.443-001	3.388-001	3.357-001	3.466-001	3.425-001	3.408-001	3.387-001	3.296-001
U @ 15.0 IN. BTU/FT2-SEC-F	3.805-001	3.737-001	3.709-001	3.853-001	3.772-001	3.770-001	3.704-001	3.615-001
U @ 17.125 IN. BTU/FT2-SEC-F	4.143-001	4.094-001	4.051-001	4.192-001	4.103-001	4.122-001	4.049-001	3.966-001
U @ 20.0 IN. BTU/FT2-SEC-F	4.367-001	4.382-001	4.361-001	4.512-001	4.417-001	4.399-001	4.361-001	4.190-001
U @ 22.625 IN. BTU/FT2-SEC-F	4.942-001	4.960-001	4.948-001	5.120-001	5.012-001	4.916-001	4.928-001	4.746-001
U @ 25.25 IN. BTU/FT2-SEC-F	5.372-001	5.320-001	5.378-001	5.565-001	5.578-001	5.368-001	5.390-001	5.151-001
U @ 28.75 IN. BTU/FT2-SEC-F	5.497-001	5.511-001	5.613-001	5.808-001	5.827-001	5.567-001	5.493-001	5.340-001
U @ 32.5 IN. BTU/FT2-SEC-F	5.900-001	5.896-001	1.169+000	6.232-001	6.222-001	5.931-001	5.777-001	5.577-001
U @ 36.0 IN. BTU/FT2-SEC-F	6.052-001	5.982-001	1.101+000	6.590-001	6.590-001	6.490-001	2.781-001	2.418-001
U @ 39.5 IN. BTU/FT2-SEC-F	6.211-001	5.558-001	1.018+000	6.891-001	6.891-001	6.891-001	1.940-001	1.749-001
U @ 43.0 IN. BTU/FT2-SEC-F	6.297-001	5.223-001	6.850-001	7.029-001	7.029-001	7.029-001	1.774-001	1.634-001
U @ 46.75 IN. BTU/FT2-SEC-F	7.029-001	5.377-001	6.252-001	7.322-001	7.322-001	7.322-001	2.010-001	1.866-001
U @ 49.5 IN. BTU/FT2-SEC-F	7.035-001	5.202-001	6.140-001	7.362-001	7.362-001	7.362-001	2.179-001	2.027-001
U @ 53.25 IN. BTU/FT2-SEC-F	7.306-001	5.236-001	6.872-001	7.475-001	7.475-001	7.475-001	2.324-001	2.165-001
U @ 57.0 IN. BTU/FT2-SEC-F	7.314-001	5.071-001	1.468+000	7.390-001	7.390-001	7.390-001	2.273-001	2.110-001
U @ 60.25 IN. BTU/FT2-SEC-F	7.666-001	5.075-001	1.142+000	7.404-001	7.404-001	7.404-001	2.224-001	2.057-001
U @ 64.125 IN. BTU/FT2-SEC-F	7.442-001	4.454-001	3.031+000	7.555-001	7.555-001	7.555-001	1.470-001	1.404-001
U @ 67.375 IN. BTU/FT2-SEC-F	8.269-001	5.029-001	1.988+000	7.223-001	7.223-001	7.223-001	2.102-001	1.947-001
U @ 71.0 IN. BTU/FT2-SEC-F	8.646-001	4.613-001	4.171+000	7.289-001	7.289-001	7.289-001	1.862-001	1.746-001
U @ 74.125 IN. BTU/FT2-SEC-F	1.036+000	5.052-001	2.265+000	7.572-001	7.572-001	7.572-001	2.420-001	2.344-001
U @ 78.0 IN. BTU/FT2-SEC-F	1.029+000	4.526-001	-5.746+000	4.733-001	4.733-001	4.733-001	3.643-001	3.459-001
U @ 81.5 IN. BTU/FT2-SEC-F	1.153+000	6.162-001	-2.600+000	6.353-001	6.353-001	6.353-001	5.152-001	4.903-001
U @ 85.0 IN. BTU/FT2-SEC-F	9.725-001	6.469-001	-1.935+000	6.269-001	6.269-001	6.269-001	5.674-001	5.447-001
U @ 89.5 IN. BTU/FT2-SEC-F	1.432+000	8.859-001	-2.373+000	8.708-001	8.708-001	8.708-001	6.886-001	6.528-001
U @ 91.75 IN. BTU/FT2-SEC-F	9.737-001	7.220-001	-1.568+000	6.976-001	6.976-001	6.976-001	5.134-001	4.807-001
U @ 95.0 IN. BTU/FT2-SEC-F	1.045+000	7.500-001	-1.597+000	6.819-001	6.819-001	6.819-001	5.017-001	4.679-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 16 JULY 22, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK @ 1.125 INCHES	.000	4.561-002	7.186-002	-4.950-003	-1.210-003	-1.870-002	-9.437-004	8.919-003
THK @ 2.5 INCHES	.000	4.325-002	7.591-002	-1.153-001	-1.420-001	-1.588-001	-1.392-001	-1.316-001
THK @ 4.125 INCHES	.000	3.262-002	5.141-002	-3.760-002	3.593-002	-6.893-002	-4.467-002	-3.744-002
THK @ 5.5 INCHES	.000	2.921-002	5.126-002	-2.205-002	-1.264-002	-2.867-002	-2.416-002	6.924-003
THK @ 7.0 INCHES	.000	3.170-002	5.502-002	-5.327-003	1.049-003	-7.565-003	3.689-003	2.639-002
THK @ 8.5 INCHES	.000	2.348-002	4.413-002	-3.964-003	2.009-004	-6.598-004	9.476-003	3.684-002
THK @ 10.125 INCHES	.000	2.761-002	4.564-002	-1.129-002	1.602-002	9.971-003	2.309-002	4.881-002
THK @ 12.625 INCHES	.000	1.904-002	2.933-002	-1.438-002	6.135-003	1.201-002	1.923-002	5.197-002
THK @ 15.0 INCHES	.000	1.906-002	2.720-002	-1.321-002	9.243-003	9.846-003	2.671-002	5.533-002
THK @ 17.125 INCHES	.000	1.152-002	2.179-002	-1.136-002	9.281-003	4.004-003	2.243-002	4.308-002
THK @ 20.0 INCHES	.000	-3.126-003	1.263-003	-2.953-002	-1.035-002	-6.776-003	1.229-003	3.856-002
THK @ 22.625 INCHES	.000	-2.963-003	1.115-003	-2.825-002	-1.136-002	4.286-003	2.204-003	3.336-002
THK @ 25.25 INCHES	.000	7.300-003	-8.557-004	-2.583-002	-2.746-002	4.728-004	-2.545-003	3.193-002
THK @ 28.75 INCHES	.000	-1.849-003	-1.423-002	-3.891-002	-4.119-002	-9.192-003	6.043-004	2.146-002
THK @ 32.5 INCHES	.000	4.927-004	-3.357-001	-3.607-002	-3.507-002	-3.452-003	1.453-002	3.927-002
THK @ 36.0 INCHES	.000	1.684-002	-2.976-001	1.064-001	2.089-001	4.852-001	7.776-001	9.931-001
THK @ 39.5 INCHES	.000	7.568-002	-2.509-001	3.835-001	6.849-001	1.087+000	1.418+000	1.643+000
THK @ 43.0 INCHES	.000	1.306-001	-5.127-002	6.566-001	9.680-001	1.329+000	1.619+000	1.812+000
THK @ 46.75 INCHES	.000	1.748-001	7.073-002	6.716-001	9.132-001	1.195+000	1.421+000	1.574+000
THK @ 49.5 INCHES	.000	2.003-001	-7.723-002	6.211-001	8.229-001	1.078+000	1.267+000	1.404+000
THK @ 53.25 INCHES	.000	2.165-001	3.456-002	6.037-001	7.746-001	9.899-001	1.173+000	1.300+000
THK @ 57.0 INCHES	.000	2.419-001	-2.744-001	6.331-001	8.090-001	1.029+000	1.213+000	1.349+000
THK @ 60.25 INCHES	.000	2.665-001	-1.716-001	6.534-001	8.550-001	1.092+000	1.277+000	1.422+000
THK @ 64.125 INCHES	.000	3.606-001	-4.055-001	1.028+000	1.595+000	1.999+000	2.183+000	2.312+000
THK @ 67.375 INCHES	.000	3.110-001	-2.740-001	7.575-001	1.021+000	1.550+000	1.419+000	1.571+000
THK @ 71.0 INCHES	.000	4.044-001	-3.667-001	9.714-001	1.286+000	1.509+000	1.685+000	1.828+000
THK @ 74.125 INCHES	.000	4.057-001	-2.062-001	7.338-001	9.305-001	1.171+000	1.267+000	1.321+000
THK @ 78.0 INCHES	.000	4.951-001	-4.594-001	4.564-001	5.305-001	6.252-001	7.093-001	7.675-001
THK @ 81.5 INCHES	.000	3.023-001	-5.002-001	2.828-001	3.351-001	3.974-001	4.295-001	4.690-001
THK @ 85.0 INCHES	.000	2.070-001	-6.180-001	1.711-001	2.266-001	2.755-001	2.937-001	3.231-001
THK @ 88.5 INCHES	.000	1.722-001	-4.479-001	1.759-001	2.150-001	2.678-001	3.016-001	3.334-001
THK @ 91.75 INCHES	.000	1.432-001	-6.659-001	1.626-001	2.352-001	3.188-001	3.683-001	4.213-001
THK @ 95.0 INCHES	.000	1.507-001	-6.328-001	2.039-001	2.685-001	3.735-001	4.146-001	4.723-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 17 JULY 27, 1982

TIME MIN	.000	1.000+002	2.000+002	3.000+002	4.000+002	5.000+002	6.000+002
THALL @ 1.125 INCHES	DEG F	5.510+002	5.340+002	5.170+002	5.230+002	5.160+002	5.160+002
THALL @ 2.5 INCHES	DEG F	6.740+002	7.160+002	7.250+002	7.580+002	7.790+002	8.060+002
THALL @ 4.125 INCHES	DEG F	7.980+002	8.400+002	8.420+002	8.600+002	9.400+002	9.930+002
THALL @ 5.5 INCHES	DEG F	7.520+002	7.430+002	7.150+002	7.180+002	7.230+002	7.020+002
THALL @ 7.0 INCHES	DEG F	6.660+002	6.270+002	5.930+002	5.900+002	5.830+002	5.790+002
THALL @ 8.5 INCHES	DEG F	6.470+002	6.080+002	5.980+002	5.960+002	5.980+002	5.990+002
THALL @ 10.125 INCHES	DEG F	5.730+002	5.970+002	5.240+002	5.210+002	5.210+002	5.190+002
THALL @ 12.625 INCHES	DEG F	5.320+002	5.180+002	5.180+002	5.190+002	5.180+002	5.170+002
THALL @ 15.0 INCHES	DEG F	5.450+002	5.180+002	5.200+002	5.220+002	5.200+002	5.200+002
THALL @ 17.125 INCHES	DEG F	5.350+002	5.200+002	5.250+002	5.260+002	5.260+002	5.250+002
THALL @ 20.0 INCHES	DEG F	5.460+002	5.330+002	5.370+002	5.400+002	5.380+002	5.390+002
THALL @ 22.625 INCHES	DEG F	5.590+002	5.440+002	5.510+002	5.530+002	5.540+002	5.550+002
THALL @ 25.25 INCHES	DEG F	5.730+002	5.590+002	5.660+002	5.690+002	5.730+002	5.550+002
THALL @ 28.75 INCHES	DEG F	5.930+002	5.830+002	6.070+002	6.400+002	6.750+002	7.010+002
THALL @ 32.5 INCHES	DEG F	6.320+002	6.450+002	6.100+002	7.570+002	8.140+002	8.570+002
THALL @ 36.0 INCHES	DEG F	6.640+002	7.050+002	7.750+002	8.440+002	9.050+002	9.490+002
THALL @ 39.5 INCHES	DEG F	6.970+002	7.420+002	8.130+002	8.770+002	9.290+002	9.640+002
THALL @ 43.0 INCHES	DEG F	7.230+002	7.600+002	8.180+002	8.670+002	9.050+002	9.310+002
THALL @ 46.75 INCHES	DEG F	7.450+002	7.850+002	8.420+002	8.900+002	9.260+002	9.520+002
THALL @ 49.5 INCHES	DEG F	7.790+002	8.240+002	8.870+002	9.410+002	9.810+002	1.007+003
THALL @ 53.25 INCHES	DEG F	8.250+002	8.910+002	9.750+002	1.034+003	1.074+003	1.094+003
THALL @ 57.0 INCHES	DEG F	8.960+002	1.133+003	1.271+003	1.272+003	1.261+003	1.316+003
THALL @ 60.25 INCHES	DEG F	9.220+002	9.980+002	1.091+003	1.140+003	1.182+003	1.237+003
THALL @ 64.125 INCHES	DEG F	9.070+002	9.890+002	1.064+003	1.120+003	1.167+003	1.207+003
THALL @ 67.375 INCHES	DEG F	8.990+002	9.770+002	1.047+003	1.096+003	1.113+003	9.840+002
THALL @ 71.0 INCHES	DEG F	8.420+002	9.440+002	9.740+002	9.400+002	9.150+002	9.490+002
THALL @ 74.125 INCHES	DEG F	8.450+002	9.220+002	9.370+002	9.410+002	9.410+002	9.560+002
THALL @ 78.0 INCHES	DEG F	8.630+002	9.320+002	9.460+002	9.320+002	9.370+002	9.670+002
THALL @ 81.5 INCHES	DEG F	9.200+002	9.350+002	9.500+002	9.500+002	9.570+002	9.660+002
THALL @ 85.0 INCHES	DEG F	9.240+002	9.360+002	9.520+002	9.300+002	9.460+002	9.520+002
THALL @ 88.5 INCHES	DEG F	9.420+002	9.600+002	9.680+002	9.650+002	9.850+002	9.890+002
THALL @ 91.75 INCHES	DEG F	9.560+002	9.600+002	9.830+002	9.940+002	1.022+003	1.032+003
THALL @ 95.0 INCHES	DEG F	9.740+002	1.002+003	1.003+003	1.010+003	1.037+003	1.043+003
FUEL PRES @ 0.0 INCHES PSIG	PSIG	4.265+002	4.299+002	4.367+002	4.344+002	4.429+002	4.489+002
FUEL PRES @ 24.0 INCHES PSIG	PSIG	4.215+002	4.248+002	4.293+002	4.344+002	4.381+002	4.442+002
FUEL PRES @ 48.0 INCHES PSIG	PSIG	4.178+002	4.210+002	4.303+002	4.301+002	4.336+002	4.394+002
FUEL PRES @ 72.0 INCHES PSIG	PSIG	4.130+002	4.145+002	4.202+002	4.184+002	4.183+002	4.185+002
FUEL PRES @ 96.0 INCHES PSIG	PSIG	3.927+002	3.937+002	3.951+002	3.994+002	3.994+002	3.964+002
FUEL INLET TEMP	DEG F	8.400+001	9.500+001	1.030+002	1.080+002	1.090+002	1.110+002
FUEL TEMP @ 24.0 INCHES DEG F	DEG F	3.750+002	3.760+002	3.830+002	3.820+002	3.850+002	3.860+002
FUEL TEMP @ 48.0 INCHES DEG F	DEG F	5.700+002	5.760+002	5.830+002	5.990+002	6.070+002	6.210+002
FUEL TEMP @ 72.0 INCHES DEG F	DEG F	7.550+002	7.700+002	7.860+002	7.800+002	7.830+002	7.880+002
FUEL TEMP @ 96.0 INCHES DEG F	DEG F	8.930+002	8.670+002	8.850+002	8.940+002	8.950+002	8.960+002
FLOW RATE LBS/HR		6.061+001	5.954+001	5.091+001	6.134+001	6.076+001	6.136+001
CURRENT AMPS		1.240+002	1.232+002	1.200+002	1.190+002	1.176+002	1.175+002
VOLTS		7.274+001	7.300+001	7.269+001	7.322+001	7.136+001	7.130+001
PUMP RPM/SEC		8.554+000	8.462+000	8.747+000	8.240+000	7.955+000	7.930+000
FLUX		4.005+001	4.753+001	4.464+001	4.640+001	4.464+001	4.459+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 17 JULY 27, 1962

TIME MIN	.000	1.000+002	2.000+002	3.000+002	4.000+002	5.000+002	6.000+002
REYNOLDS NUMBER @ 0.0 INCHES	2.602+003	2.556+003	2.598+003	2.529+003	2.634+003	2.608+003	2.634+003
REYNOLDS NUMBER @ 12.0 INCHES	6.165+003	6.021+003	6.153+003	7.935+003	6.263+003	6.184+003	6.266+003
REYNOLDS NUMBER @ 35.0 INCHES	2.068+004	2.031+004	2.065+004	2.010+004	2.093+004	2.073+004	2.093+004
REYNOLDS NUMBER @ 60.0 INCHES	3.790+004	3.723+004	3.784+004	3.683+004	3.835+004	3.799+004	3.836+004
REYNOLDS NUMBER @ 84.0 INCHES	1.912+005	1.878+005	1.909+005	1.858+005	1.935+005	1.916+005	1.935+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.056-002	1.108-002	1.082-002	1.200-002	9.962-003	1.005-002	9.769-003
FRICTION FACTOR @ 35.0 INCHES	6.893-003	7.357-003	7.253-003	7.765-003	7.704-003	6.353-003	6.703-003
FRICTION FACTOR @ 60.0 INCHES	7.273-003	1.025-002	1.270-002	1.645-002	1.734-002	2.237-002	3.100-002
FRICTION FACTOR @ 84.0 INCHES	1.242-002	1.319-002	1.362-002	1.515-002	1.116-002	1.180-002	1.313-002
U @ 1.125 IN. BTU/FT2-SEC-F	9.961-002	1.048-001	1.087-001	1.107-001	1.091-001	1.068-001	1.066-001
U @ 2.5 IN. BTU/FT2-SEC-F	6.725-002	8.493-002	7.885-002	7.604-002	7.208-002	6.722-002	6.446-002
U @ 4.125 IN. BTU/FT2-SEC-F	7.899-002	7.159-002	6.720-002	6.559-002	6.219-002	5.544-002	5.161-002
U @ 5.5 IN. BTU/FT2-SEC-F	8.112-002	7.905-002	8.010-002	8.229-002	8.178-002	7.808-002	8.087-002
U @ 7.0 IN. BTU/FT2-SEC-F	9.064-002	9.562-002	1.035-001	1.095-001	1.102-001	1.079-001	1.087-001
U @ 8.5 IN. BTU/FT2-SEC-F	9.349-002	1.033-001	1.127-001	1.130-001	1.135-001	1.087-001	1.082-001
U @ 10.125 IN. BTU/FT2-SEC-F	1.312-001	1.405-001	1.472-001	1.464-001	1.476-001	1.422-001	1.428-001
U @ 12.625 IN. BTU/FT2-SEC-F	1.571-001	1.612-001	1.689-001	1.653-001	1.646-001	1.591-001	1.593-001
U @ 15.0 IN. BTU/FT2-SEC-F	1.753-001	1.800-001	1.882-001	1.827-001	1.811-001	1.758-001	1.755-001
U @ 17.125 IN. BTU/FT2-SEC-F	1.935-001	1.953-001	2.073-001	1.990-001	1.983-001	1.907-001	1.911-001
U @ 20.0 IN. BTU/FT2-SEC-F	2.160-001	2.165-001	2.297-001	2.206-001	2.173-001	2.113-001	2.098-001
U @ 22.625 IN. BTU/FT2-SEC-F	2.359-001	2.369-001	2.555-001	2.410-001	2.383-001	2.284-001	2.267-001
U @ 25.25 IN. BTU/FT2-SEC-F	2.544-001	2.530-001	2.729-001	2.568-001	2.524-001	2.379-001	2.625-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.693-001	2.649-001	2.801-001	2.401-001	2.049-001	1.709-001	1.551-001
U @ 32.5 IN. BTU/FT2-SEC-F	2.731-001	2.529-001	2.315-001	2.799-001	1.483-001	1.203-001	1.080-001
U @ 36.0 IN. BTU/FT2-SEC-F	2.869-001	2.492-001	2.067-001	1.535-001	1.249-001	1.033-001	9.357-002
U @ 39.5 IN. BTU/FT2-SEC-F	2.983-001	2.424-001	1.968-001	1.438-001	1.234-001	1.044-001	9.629-002
U @ 43.0 IN. BTU/FT2-SEC-F	3.190-001	2.455-001	2.057-001	1.609-001	1.374-001	1.190-001	1.110-001
U @ 46.75 IN. BTU/FT2-SEC-F	3.529-001	2.567-001	2.107-001	1.646-001	1.405-001	1.220-001	1.137-001
U @ 49.5 IN. BTU/FT2-SEC-F	4.199-001	2.407-001	1.957-001	1.520-001	1.291-001	1.119-001	1.048-001
U @ 53.25 IN. BTU/FT2-SEC-F	3.730-001	2.216-001	1.691-001	1.274-001	1.095-001	9.640-002	9.221-002
U @ 57.0 IN. BTU/FT2-SEC-F	3.736-001	1.852-001	9.611-002	7.352-002	7.334-002	6.964-002	6.590-002
U @ 60.25 IN. BTU/FT2-SEC-F	3.952-001	1.845-001	1.422-001	1.089-001	9.756-002	8.633-002	7.767-002
U @ 64.125 IN. BTU/FT2-SEC-F	4.189-001	2.214-001	1.610-001	1.256-001	1.090-001	9.453-002	8.697-002
U @ 67.375 IN. BTU/FT2-SEC-F	5.077-001	2.646-001	1.841-001	1.232-001	1.232-001	1.135-001	1.685-001
U @ 71.0 IN. BTU/FT2-SEC-F	5.073-001	2.416-001	2.230-001	2.048-001	2.359-001	2.664-001	2.210-001
U @ 74.125 IN. BTU/FT2-SEC-F	6.213-001	3.080-001	2.959-001	2.742-001	2.692-001	2.578-001	2.367-001
U @ 78.0 IN. BTU/FT2-SEC-F	6.651-001	3.567-001	3.359-001	2.991-001	3.285-001	3.055-001	2.854-001
U @ 81.5 IN. BTU/FT2-SEC-F	7.343-001	4.395-001	3.845-001	3.356-001	3.524-001	3.073-001	2.888-001
U @ 85.0 IN. BTU/FT2-SEC-F	8.350-001	5.192-001	4.672-001	3.855-001	4.757-001	3.935-001	3.730-001
U @ 89.5 IN. BTU/FT2-SEC-F	7.315-001	5.360-001	4.620-001	4.049-001	4.154-001	3.393-001	3.204-001
U @ 91.75 IN. BTU/FT2-SEC-F	7.945-001	5.705-001	4.977-001	4.209-001	3.824-001	2.992-001	2.799-001
U @ 95.0 IN. BTU/FT2-SEC-F	8.014-001	5.800-001	4.315-001	4.165-001	3.933-001	3.000-001	2.954-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 17 JULY 27, 1982

TIME	MIN	.000	1.000+002	2.000+002	3.000+002	4.000+002	5.000+002	6.000+002
THK	3 1.125 INCHES	MILS	-2.003-001	-3.364-001	-4.033-001	-3.483-001	-2.704-001	-2.623-001
THK	3 2.5 INCHES	MILS	1.256-001	4.097-001	6.759-001	9.652-001	1.366+000	1.621+000
THK	3 4.125 INCHES	MILS	5.180-001	8.027-001	1.029+000	1.362+000	2.145+000	2.681+000
THK	3 5.5 INCHES	MILS	1.294-001	6.311-002	-7.011-002	-3.976-002	1.925-001	1.511-002
THK	3 7.0 INCHES	MILS	-2.297-001	-5.506-001	-7.599-001	-7.824-001	-7.059-001	-7.338-001
THK	3 8.5 INCHES	MILS	-4.079-001	-7.293-001	-7.388-001	-7.527-001	-5.997-001	-5.628-001
THK	3 10.125 INCHES	MILS	-2.024-001	-3.320-001	-3.163-001	-3.396-001	-2.350-001	-2.477-001
THK	3 12.625 INCHES	MILS	-6.485-002	-1.782-001	-1.270-001	-1.161-001	-3.192-002	-3.547-002
THK	3 15.0 INCHES	MILS	-5.931-002	-1.563-001	-9.310-002	-7.303-002	-7.102-003	-2.202-003
THK	3 17.125 INCHES	MILS	-1.957-002	-1.422-001	-5.747-002	-4.699-002	3.045-002	2.600-002
THK	3 20.0 INCHES	MILS	-5.085-003	-1.112-001	-3.910-002	-1.156-002	4.109-002	5.413-002
THK	3 22.625 INCHES	MILS	-6.791-003	-1.301-001	-3.592-002	-1.715-002	5.613-002	6.888-002
THK	3 25.25 INCHES	MILS	-6.696-003	-1.063-001	-1.437-002	1.294-002	1.095-001	-4.836-002
THK	3 28.75 INCHES	MILS	2.458-002	-5.687-002	1.807-001	4.668-001	8.549-001	1.073+000
THK	3 32.5 INCHES	MILS	1.169-001	2.632-001	-3.532-002	1.233+000	1.847+000	2.240+000
THK	3 36.0 INCHES	MILS	2.171-001	5.406-001	1.211+000	1.808+000	2.477+000	2.880+000
THK	3 39.5 INCHES	MILS	3.091-001	6.917-001	1.347+000	1.901+000	2.491+000	2.813+000
THK	3 43.0 INCHES	MILS	3.755-001	6.905-001	1.232+000	1.657+000	2.109+000	2.349+000
THK	3 46.75 INCHES	MILS	4.247-001	7.649-001	1.297+000	1.713+000	2.144+000	2.385+000
THK	3 49.5 INCHES	MILS	7.088-001	1.091+000	1.678+000	2.146+000	2.623+000	2.864+000
THK	3 53.25 INCHES	MILS	7.354-001	1.295+000	2.070+000	2.581+000	3.079+000	3.266+000
THK	3 57.0 INCHES	MILS	1.089+000	3.091+000	4.370+000	4.383+000	4.673+000	4.999+000
THK	3 60.25 INCHES	MILS	6.519-001	1.890+000	2.662+000	3.083+000	3.621+000	4.125+000
THK	3 64.125 INCHES	MILS	7.239-001	1.530+000	2.230+000	2.715+000	3.277+000	3.645+000
THK	3 67.375 INCHES	MILS	8.669-001	1.384+000	2.034+000	2.459+000	2.736+000	1.506+000
THK	3 71.0 INCHES	MILS	6.550-001	7.000-001	1.164+000	9.075-001	7.129-001	1.021+000
THK	3 74.125 INCHES	MILS	5.199-001	5.895-001	7.350-001	6.163-001	9.079-001	1.046+000
THK	3 81.5 INCHES	MILS	3.678-001	4.950-001	6.477-001	5.712-001	7.572-001	8.407-001
THK	3 85.0 INCHES	MILS	2.913-001	3.771-001	5.507-001	3.619-001	5.374-001	5.934-001
THK	3 88.5 INCHES	MILS	1.995-001	3.190-001	4.410-001	4.161-001	6.320-001	6.704-001
THK	3 91.75 INCHES	MILS	1.990-001	3.015-001	4.481-001	5.439-001	6.346-001	9.271-001
THK	3 95.0 INCHES	MILS	1.906-001	4.279-001	4.566-001	5.178-001	7.985-001	8.551-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 16 AUGUST 2, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.000+002	2.250+002	2.700+002	3.000+002
THALL	2	1.125 INCHES	6.350+002	6.110+002	6.070+002	6.280+002	6.220+002	6.260+002	6.230+002
THALL	3	2.5 INCHES	6.340+002	6.100+002	7.970+002	6.180+002	6.050+002	6.070+002	6.230+002
THALL	4	4.125 INCHES	9.420+002	8.930+002	8.800+002	8.940+002	8.420+002	7.870+002	7.510+002
THALL	5	5.5 INCHES	6.470+002	6.430+002	8.350+002	6.290+002	8.120+002	7.750+002	7.300+002
THALL	6	7.0 INCHES	7.870+002	7.550+002	7.500+002	7.500+002	7.190+002	7.160+002	7.300+002
THALL	7	8.5 INCHES	6.480+002	6.590+002	6.560+002	6.240+002	6.370+002	6.420+002	6.690+002
THALL	8	10.125 INCHES	6.100+002	6.010+002	5.940+002	5.660+002	5.650+002	6.050+002	5.980+002
THALL	9	12.625 INCHES	5.690+002	5.580+002	5.600+002	5.580+002	5.530+002	5.680+002	5.690+002
THALL	10	15.0 INCHES	5.510+002	5.520+002	5.530+002	5.490+002	5.410+002	5.560+002	5.500+002
THALL	11	17.125 INCHES	5.300+002	5.460+002	5.470+002	5.400+002	5.370+002	5.430+002	5.390+002
THALL	12	20.0 INCHES	5.350+002	5.430+002	5.450+002	5.400+002	5.370+002	5.470+002	5.450+002
THALL	13	22.625 INCHES	5.500+002	5.510+002	5.570+002	5.470+002	5.460+002	5.550+002	5.540+002
THALL	14	25.25 INCHES	5.630+002	5.640+002	5.710+002	5.660+002	5.530+002	5.660+002	5.580+002
THALL	15	28.75 INCHES	5.860+002	5.860+002	5.940+002	5.910+002	5.670+002	5.620+002	5.740+002
THALL	16	36.0 INCHES	6.080+002	6.080+002	6.190+002	6.200+002	6.280+002	6.530+002	6.560+002
THALL	17	39.5 INCHES	6.290+002	6.310+002	6.370+002	6.490+002	6.600+002	6.910+002	6.960+002
THALL	18	43.0 INCHES	6.490+002	6.550+002	6.640+002	6.820+002	7.020+002	7.420+002	7.360+002
THALL	19	46.75 INCHES	6.690+002	6.820+002	7.030+002	7.300+002	7.740+002	8.260+002	8.360+002
THALL	20	49.5 INCHES	6.900+002	7.090+002	7.430+002	7.900+002	8.500+002	9.040+002	9.370+002
THALL	21	53.25 INCHES	7.110+002	7.380+002	7.770+002	8.380+002	9.060+002	9.770+002	1.097+003
THALL	22	57.0 INCHES	7.380+002	7.690+002	8.130+002	8.670+002	9.200+002	9.790+002	1.011+003
THALL	23	60.25 INCHES	7.630+002	8.100+002	8.530+002	8.950+002	9.300+002	9.640+002	9.710+002
THALL	24	64.125 INCHES	7.690+002	7.930+002	8.160+002	8.410+002	8.690+002	8.970+002	9.050+002
THALL	25	67.375 INCHES	7.850+002	8.010+002	8.120+002	8.320+002	8.550+002	8.790+002	8.880+002
THALL	26	71.0 INCHES	8.100+002	8.220+002	8.330+002	8.560+002	8.830+002	9.110+002	9.130+002
THALL	27	74.125 INCHES	8.360+002	8.370+002	8.490+002	8.750+002	8.990+002	9.040+002	9.010+002
THALL	28	78.0 INCHES	8.590+002	8.650+002	8.670+002	9.000+002	9.290+002	9.270+002	9.180+002
THALL	29	81.5 INCHES	8.740+002	8.870+002	9.050+002	9.130+002	9.350+002	9.330+002	9.180+002
THALL	30	85.0 INCHES	8.970+002	9.120+002	9.230+002	9.250+002	9.400+002	9.470+002	9.260+002
THALL	31	88.5 INCHES	9.130+002	9.250+002	9.340+002	9.350+002	9.570+002	9.570+002	9.410+002
THALL	32	91.75 INCHES	9.420+002	9.540+002	9.570+002	9.570+002	9.810+002	9.810+002	9.510+002
THALL	33	95.0 INCHES	9.560+002	9.710+002	9.750+002	9.780+002	1.000+003	1.000+003	9.740+002
FUEL PPS	3	0.0 INCHES PSIG	7.919+002	7.939+002	7.935+002	7.900+002	7.952+002	7.932+002	7.959+002
FUEL PPS	4	24.0 INCHES PSIG	7.867+002	7.925+002	7.930+002	7.990+002	7.955+002	7.938+002	7.961+002
FUEL PPS	5	48.0 INCHES PSIG	7.853+002	7.903+002	7.915+002	7.990+002	7.937+002	7.969+002	7.939+002
FUEL PPS	6	72.0 INCHES PSIG	7.839+002	7.865+002	7.901+002	7.940+002	7.945+002	7.916+002	7.939+002
FUEL PPS	7	96.0 INCHES PSIG	7.827+002	7.851+002	7.836+002	7.829+002	7.791+002	7.803+002	7.838+002
FUEL INLET TEMP			6.100+001	6.400+001	6.700+001	6.700+001	6.900+001	6.600+001	6.600+001
FUEL TEMP	3	24.0 INCHES DEG F	3.520+002	3.530+002	3.540+002	3.540+002	3.520+002	3.550+002	3.590+002
FUEL TEMP	4	48.0 INCHES DEG F	5.470+002	5.470+002	5.490+002	5.490+002	5.530+002	5.570+002	5.650+002
FUEL TEMP	5	72.0 INCHES DEG F	7.280+002	7.290+002	7.330+002	7.320+002	7.370+002	7.420+002	7.500+002
FUEL TEMP	6	96.0 INCHES DEG F	9.030+002	8.830+002	8.660+002	9.040+002	8.930+002	8.900+002	9.010+002
FUEL RATE		LB/HR	6.035+001	6.056+001	5.369+001	5.974+001	5.930+001	5.927+001	5.753+001
CURRENT		AMPS	1.069+002	1.022+002	1.005+002	1.037+002	1.003+002	1.013+002	9.701+001
VOLTAGE		VOLTS	6.415+001	6.031+001	5.702+001	6.205+001	6.024+001	6.053+001	5.842+001
POWER		WATTS	6.679+000	5.892+000	5.628+000	6.077+000	5.731+000	5.899+000	5.371+000
FUEL		RUZ/SEC	3.651+001	3.310+001	3.701+001	3.425+001	3.219+001	3.225+001	2.942+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 16 AUGUST 2, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.000+002	2.250+002	2.700+002	3.000+002
REVOLUTIONS NUMBER @ 0.0 INCHES	2.499+003	2.508+003	2.431+003	2.482+003	2.476+003	2.454+003	2.493+003	2.382+003
REVOLUTIONS NUMBER @ 12.0 INCHES	7.503+003	7.609+003	7.375+003	7.532+003	7.514+003	7.447+003	7.564+003	7.228+003
REVOLUTIONS NUMBER @ 36.0 INCHES	1.919+004	1.925+004	1.866+004	1.906+004	1.901+004	1.834+004	1.914+004	1.829+004
REVOLUTIONS NUMBER @ 60.0 INCHES	3.466+004	3.478+004	3.371+004	3.443+004	3.435+004	3.404+004	3.457+004	3.304+004
REVOLUTIONS NUMBER @ 84.0 INCHES	1.738+005	1.744+005	1.690+005	1.726+005	1.722+005	1.706+005	1.733+005	1.656+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.121-002	3.070-003	-5.710-004	-2.204-003	-4.978-004	-1.368-003	-1.207-003	-5.418-004
FRICTION FACTOR @ 36.0 INCHES	2.559-003	3.947-003	4.503-003	1.753-003	3.381-003	2.649-003	3.493-003	4.584-003
FRICTION FACTOR @ 60.0 INCHES	2.291-003	2.992-003	2.346-003	5.283-003	2.608-003	4.704-003	8.556-003	5.269-003
FRICTION FACTOR @ 84.0 INCHES	7.929-004	2.316-003	4.830-003	8.425-003	9.281-003	1.035-002	8.809-003	5.447-003
U @ 1.125 IN. BTU/FT2-SEC-F	6.745-002	6.398-002	6.236-002	6.410-002	6.094-002	6.171-002	5.690-002	5.558-002
U @ 2.5 IN. BTU/FT2-SEC-F	5.037-002	4.723-002	4.654-002	4.832-002	4.627-002	4.707-002	4.374-002	4.445-002
U @ 4.125 IN. BTU/FT2-SEC-F	4.483-002	4.324-002	4.254-002	4.469-002	4.506-002	4.931-002	4.048-002	4.718-002
U @ 5.5 IN. BTU/FT2-SEC-F	5.187-002	4.729-002	4.619-002	4.994-002	4.813-002	5.198-002	5.230-002	5.012-002
U @ 7.0 IN. BTU/FT2-SEC-F	5.823-002	5.563-002	5.425-002	5.806-002	5.760-002	5.908-002	5.715-002	5.161-002
U @ 8.5 IN. BTU/FT2-SEC-F	7.751-002	6.867-002	6.682-002	7.662-002	6.993-002	7.064-002	7.017-002	5.979-002
U @ 10.125 IN. BTU/FT2-SEC-F	8.804-002	8.159-002	8.028-002	9.240-002	8.709-002	8.018-002	7.549-002	7.305-002
U @ 12.625 IN. BTU/FT2-SEC-F	1.057-001	9.897-002	9.513-002	1.024-001	9.772-002	9.013-002	8.734-002	8.515-002
U @ 15.0 IN. BTU/FT2-SEC-F	1.214-001	1.097-001	1.058-001	1.147-001	1.108-001	1.075-001	1.042-001	9.818-002
U @ 17.125 IN. BTU/FT2-SEC-F	1.428-001	1.219-001	1.165-001	1.289-001	1.226-001	1.223-001	1.190-001	1.112-001
U @ 20.0 IN. BTU/FT2-SEC-F	1.600-001	1.401-001	1.344-001	1.469-001	1.399-001	1.368-001	1.328-001	1.235-001
U @ 22.625 IN. BTU/FT2-SEC-F	1.776-001	1.550-001	1.471-001	1.627-001	1.537-001	1.503-001	1.440-001	1.352-001
U @ 25.25 IN. BTU/FT2-SEC-F	1.944-001	1.753-001	1.643-001	1.804-001	1.687-001	1.611-001	1.624-001	1.502-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.118-001	1.909-001	1.774-001	1.953-001	1.825-001	1.716-001	1.740-001	1.604-001
U @ 32.5 IN. BTU/FT2-SEC-F	2.216-001	2.007-001	1.851-001	2.015-001	1.840-001	1.711-001	1.686-001	1.541-001
U @ 35.0 IN. BTU/FT2-SEC-F	2.303-001	2.088-001	1.888-001	2.009-001	1.804-001	1.614-001	1.576-001	1.424-001
U @ 39.5 IN. BTU/FT2-SEC-F	2.417-001	2.162-001	2.012-001	2.002-001	1.768-001	1.542-001	1.501-001	1.349-001
U @ 43.0 IN. BTU/FT2-SEC-F	2.550-001	2.227-001	2.031-001	1.950-001	1.646-001	1.336-001	1.314-001	1.174-001
U @ 46.75 IN. BTU/FT2-SEC-F	2.763-001	2.280-001	1.926-001	1.703-001	1.357-001	1.135-001	1.009-001	9.131-002
U @ 49.5 IN. BTU/FT2-SEC-F	2.772-001	2.197-001	1.733-001	1.478-001	1.108-001	9.502-002	7.960-002	6.057-002
U @ 53.25 IN. BTU/FT2-SEC-F	2.935-001	2.186-001	1.681-001	1.362-001	1.008-001	8.414-002	5.911-002	5.890-002
U @ 57.0 IN. BTU/FT2-SEC-F	2.965-001	2.148-001	1.615-001	1.359-001	1.055-001	9.021-002	6.241-002	7.426-002
U @ 60.25 IN. BTU/FT2-SEC-F	2.953-001	1.940-001	1.498-001	1.340-001	1.108-001	1.012-001	9.295-002	8.870-002
U @ 64.125 IN. BTU/FT2-SEC-F	3.637-001	2.661-001	2.172-001	1.987-001	1.607-001	1.439-001	1.327-001	1.244-001
U @ 67.375 IN. BTU/FT2-SEC-F	3.974-001	3.068-001	2.692-001	2.466-001	1.989-001	1.796-001	1.623-001	1.509-001
U @ 71.0 IN. BTU/FT2-SEC-F	4.077-001	3.260-001	2.844-001	2.527-001	1.931-001	1.840-001	1.584-001	1.528-001
U @ 74.125 IN. BTU/FT2-SEC-F	3.947-001	3.540-001	3.034-001	2.605-001	2.070-001	2.021-001	1.890-001	1.858-001
U @ 78.0 IN. BTU/FT2-SEC-F	4.184-001	3.549-001	2.777-001	2.671-001	2.337-001	2.116-001	1.956-001	2.011-001
U @ 81.5 IN. BTU/FT2-SEC-F	4.750-001	3.609-001	2.971-001	2.960-001	2.645-001	2.420-001	2.273-001	2.437-001
U @ 85.0 IN. BTU/FT2-SEC-F	4.920-001	3.710-001	3.194-001	3.371-001	2.571-001	2.645-001	2.410-001	2.850-001
U @ 88.5 IN. BTU/FT2-SEC-F	5.644-001	4.316-001	3.735-001	3.951-001	2.942-001	3.022-001	2.802-001	3.174-001
U @ 91.75 IN. BTU/FT2-SEC-F	5.216-001	4.037-001	3.766-001	4.030-001	2.954-001	3.042-001	2.768-001	3.724-001
U @ 95.0 IN. BTU/FT2-SEC-F	6.055-001	4.396-001	4.037-001	4.162-001	3.047-001	3.150-001	2.950-001	3.757-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUM 18 AUGUST 2, 1982

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK	3 1.125 INCHES	MILS	3.210-001	4.643-001	3.093-001	6.334-001	5.516-001	1.100+000	1.267+000
THK	3 2.5 INCHES	MILS	5.282-001	6.543-001	3.368-001	7.041-001	5.565-001	1.204+000	1.058+000
THK	3 4.125 INCHES	MILS	3.273-001	4.803-001	2.702-002	-4.644-002	-8.927-001	-6.714-001	-4.456-001
THK	3 5.5 INCHES	MILS	7.463-001	9.473-001	2.993-001	5.989-001	-1.676-002	-6.402-002	2.687-001
THK	3 7.0 INCHES	MILS	3.211-001	5.030-001	2.025-002	7.585-002	-9.876-002	1.301-001	8.813-001
THK	3 8.5 INCHES	MILS	6.647-001	8.259-001	6.001-002	5.551-001	5.023-001	5.403-001	1.530+000
THK	3 10.125 INCHES	MILS	3.594-001	4.391-001	-2.143-001	4.786-002	4.456-001	7.553-001	9.324-001
THK	3 12.625 INCHES	MILS	2.570-001	4.199-001	1.211-001	3.085-001	6.533-001	7.948-001	9.126-001
THK	3 15.0 INCHES	MILS	3.515-001	4.283-001	1.938-001	3.172-001	4.201-001	5.459-001	7.806-001
THK	3 17.125 INCHES	MILS	4.819-001	6.314-001	3.015-001	4.624-001	4.706-001	5.617-001	7.977-001
THK	3 20.0 INCHES	MILS	3.543-001	4.766-001	2.232-001	3.599-001	4.248-001	5.117-001	7.388-001
THK	3 22.625 INCHES	MILS	3.287-001	4.667-001	2.069-001	3.515-001	4.094-001	5.259-001	7.062-001
THK	3 25.25 INCHES	MILS	2.241-001	3.770-001	1.591-001	3.131-001	4.243-001	4.057-001	6.051-001
THK	3 28.75 INCHES	MILS	2.067-001	3.657-001	1.596-001	3.029-001	4.420-001	4.100-001	6.051-001
THK	3 32.5 INCHES	MILS	1.862-001	3.542-001	1.776-001	3.665-001	5.303-001	5.651-001	7.893-001
THK	3 36.0 INCHES	MILS	1.789-001	3.817-001	2.547-001	4.813-001	7.416-001	8.022-001	1.071+000
THK	3 39.5 INCHES	MILS	1.947-001	3.328-001	3.427-001	6.070-001	9.395-001	1.010+000	1.310+000
THK	3 43.0 INCHES	MILS	2.335-001	4.073-001	4.884-001	8.680-001	1.307+000	1.482+000	1.845+000
THK	3 46.75 INCHES	MILS	3.063-001	6.206-001	9.013-001	1.499+000	2.073+000	2.510+000	2.933+000
THK	3 49.5 INCHES	MILS	3.783-001	8.653-001	1.263+000	2.181+000	2.767+000	3.578+000	5.162+000
THK	3 53.25 INCHES	MILS	4.667-001	1.017+000	1.573+000	2.606+000	3.391+000	5.403+000	5.428+000
THK	3 57.0 INCHES	MILS	5.136-001	1.127+000	1.595+000	2.442+000	3.085+000	3.505+000	4.038+000
THK	3 60.25 INCHES	MILS	7.075-001	1.315+000	1.631+000	2.256+000	2.599+000	2.949+000	3.155+000
THK	3 64.125 INCHES	MILS	4.036-001	7.421-001	9.134-001	1.390+000	1.681+000	1.915+000	2.115+000
THK	3 67.375 INCHES	MILS	2.971-001	4.790-001	6.153-001	1.005+000	1.220+000	1.450+000	1.643+000
THK	3 71.0 INCHES	MILS	2.461-001	4.254-001	6.019-001	1.039+000	1.193+000	1.545+000	1.637+000
THK	3 74.125 INCHES	MILS	1.165-001	3.050-001	5.223-001	9.186-001	9.654-001	1.114+000	1.128+000
THK	3 78.0 INCHES	MILS	1.710-001	4.844-001	5.419-001	9.979-001	9.347-001	1.089+000	1.033+000
THK	3 81.5 INCHES	MILS	2.437-001	5.057-001	5.109-001	8.706-001	8.122-001	9.189-001	8.010-001
THK	3 85.0 INCHES	MILS	2.651-001	4.393-001	3.806-001	7.426-001	6.995-001	8.469-001	5.904-001
THK	3 89.5 INCHES	MILS	2.180-001	3.621-001	3.037-001	6.417-001	6.148-001	7.189-001	5.516-001
THK	3 91.75 INCHES	MILS	2.240-001	2.953-001	2.257-001	5.873-001	5.482-001	6.781-001	3.073-001
THK	3 95.0 INCHES	MILS	2.493-001	3.304-001	3.005-001	6.352-001	6.095-001	6.955-001	4.041-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 19 AUGUST 5, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	2.850+002
THALL @ 1.125 INCHES	DEG F	8.700+002	9.150+002	8.660+002	8.740+002	8.970+002	9.010+002	1.035+003
THALL @ 2.5 INCHES	DEG F	8.680+002	9.020+002	8.770+002	8.750+002	8.810+002	8.720+002	9.990+002
THALL @ 4.125 INCHES	DEG F	8.640+002	8.990+002	8.780+002	8.800+002	8.790+002	8.840+002	1.012+003
THALL @ 5.5 INCHES	DEG F	8.600+002	8.970+002	8.740+002	8.740+002	8.850+002	9.020+002	1.013+003
THALL @ 7.0 INCHES	DEG F	8.500+002	8.900+002	8.410+002	8.730+002	9.000+002	9.190+002	9.940+002
THALL @ 8.5 INCHES	DEG F	7.960+002	8.110+002	8.260+002	8.640+002	8.930+002	9.060+002	9.520+002
THALL @ 10.000 INCHES	DEG F	7.640+002	7.810+002	8.020+002	8.350+002	8.520+002	8.740+002	9.090+002
THALL @ 11.500 INCHES	DEG F	7.650+002	7.960+002	7.960+002	8.370+002	8.610+002	8.820+002	9.140+002
THALL @ 13.0 INCHES	DEG F	7.580+002	7.880+002	7.930+002	8.320+002	8.560+002	8.790+002	9.120+002
THALL @ 14.500 INCHES	DEG F	7.600+002	7.830+002	7.770+002	8.210+002	8.440+002	8.700+002	9.150+002
THALL @ 17.5 INCHES	DEG F	7.280+002	7.640+002	7.630+002	8.200+002	8.490+002	8.760+002	9.240+002
THALL @ 19.500 INCHES	DEG F	7.350+002	7.920+002	8.000+002	8.620+002	8.970+002	9.290+002	9.870+002
THALL @ 21.50 INCHES	DEG F	7.540+002	8.170+002	8.270+002	8.930+002	9.320+002	9.600+002	1.052+003
THALL @ 23.50 INCHES	DEG F	7.710+002	8.370+002	8.460+002	9.150+002	9.660+002	1.035+003	1.106+003
THALL @ 25.5 INCHES	DEG F	7.990+002	8.540+002	8.660+002	9.640+002	1.004+003	1.091+003	1.094+003
THALL @ 27.5 INCHES	DEG F	7.920+002	8.500+002	8.740+002	9.640+002	1.060+003	1.091+003	1.183+003
THALL @ 29.5 INCHES	DEG F	8.240+002	8.600+002	8.740+002	1.018+003	1.208+003	1.182+003	1.259+003
THALL @ 31.0 INCHES	DEG F	8.320+002	8.770+002	9.170+002	1.030+003	1.192+003	1.205+003	1.246+003
THALL @ 34.00 INCHES	DEG F	8.330+002	8.760+002	9.180+002	1.018+003	1.153+003	1.160+003	1.262+003
THALL @ 35.0 INCHES	DEG F	8.590+002	9.030+002	9.210+002	9.890+002	1.050+003	1.058+003	1.105+003
THALL @ 39.00 INCHES	DEG F	8.690+002	9.100+002	9.350+002	9.940+002	1.044+003	1.045+003	1.087+003
THALL @ 40.0 INCHES	DEG F	8.790+002	9.320+002	9.590+002	1.031+003	1.090+003	1.075+003	1.110+003
THALL @ 42.00 INCHES	DEG F	9.110+002	9.600+002	9.970+002	1.087+003	1.058+003	1.026+003	1.146+003
THALL @ 44.000 INCHES	DEG F	9.210+002	9.800+002	1.027+003	9.740+002	1.070+003	1.010+003	1.071+003
THALL @ 46.000 INCHES	DEG F	9.330+002	1.032+003	9.640+002	9.790+002	1.064+003	1.023+003	1.063+003
THALL @ 47.5 INCHES	DEG F	9.540+002	1.038+003	9.690+002	9.820+002	1.075+003	9.930+002	1.053+003
FUEL PPES @ 0.0 INCHES PSIG	DEG F	4.052+002	4.127+002	4.119+002	4.143+002	4.146+002	4.167+002	4.156+002
FUEL PPES @ 16.0 INCHES PSIG	DEG F	3.997+002	4.074+002	4.065+002	4.088+002	4.091+002	4.110+002	4.102+002
FUEL PPES @ 32.0 INCHES PSIG	DEG F	3.972+002	4.047+002	4.037+002	4.060+002	4.050+002	4.075+002	4.061+002
FUEL PPES @ 48.0 INCHES PSIG	DEG F	3.921+002	3.988+002	3.973+002	3.995+002	3.995+002	4.022+002	3.998+002
FUEL INLET TEMP	DEG F	8.400+001	8.500+001	8.800+001	9.100+001	9.400+001	9.600+001	1.000+002
FUEL TEMP @ 16.0 INCHES	DEG F	4.260+002	4.323+002	4.250+002	4.210+002	4.190+002	4.200+002	4.200+002
FUEL TEMP @ 32.0 INCHES	DEG F	6.410+002	6.420+002	6.550+002	6.620+002	6.680+002	6.790+002	6.880+002
FUEL TEMP @ 48.0 INCHES	DEG F	6.410+002	6.410+002	6.550+002	6.620+002	6.680+002	6.790+002	6.880+002
FLOW RATE LB/HR		6.048+001	5.936+001	5.996+001	5.723+001	5.952+001	5.943+001	5.930+001
CURRENT AMPS		1.652+002	1.572+002	1.604+002	1.634+002	1.501+002	1.576+002	1.608+002
VOLTAGE VOLTS		4.843+001	4.649+001	4.796+001	4.918+001	4.840+001	4.809+001	4.980+001
FOUPP BTU/SEC		7.582+000	6.927+000	7.294+000	7.618+000	7.252+000	7.185+000	7.592+000
FLUX BTU/SEC-SQFT		8.518+001	7.782+001	8.194+001	8.558+001	8.147+001	8.072+001	8.529+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 19 AUGUST 5, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.600+002	2.250+002	2.700+002	2.650+002
REYNOLDS NUMBER 3 0.0 INCHES	2.597+003	2.549+003	2.573+003	2.543+003	2.555+003	2.551+003	2.516+003	2.546+003
REYNOLDS NUMBER 3 0.0 INCHES	9.376+003	9.204+003	9.293+003	9.183+003	9.228+003	9.214+003	9.087+003	9.195+003
REYNOLDS NUMBER 3 24.0 INCHES	2.502+004	2.455+004	2.479+004	2.450+004	2.462+004	2.458+004	2.424+004	2.453+004
REYNOLDS NUMBER 3 40.0 INCHES	3.515+004	3.450+004	3.483+004	3.442+004	3.459+004	3.454+004	3.405+004	3.446+004
FRICTION FACTOR 3 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR 3 0.0 INCHES	1.709+002	1.730+002	1.728+002	1.612+002	1.795+002	1.851+002	1.892+002	1.773+002
FRICTION FACTOR 3 24.0 INCHES	6.812+003	7.335+003	7.602+003	7.925+003	8.617+003	9.521+003	1.065+002	1.106+002
FRICTION FACTOR 3 40.0 INCHES	1.169+002	1.473+002	1.546+002	1.604+002	1.552+002	1.295+002	1.550+002	1.568+002
U 3 1.125 IN. BTU/FT2-SEC-F	1.118+001	9.644+002	1.081+001	1.117+001	1.033+001	1.018+001	9.100+002	8.821+002
U 3 2.5 IN. BTU/FT2-SEC-F	1.135+001	1.018+001	1.108+001	1.160+001	1.096+001	1.099+001	9.953+002	9.900+002
U 3 4.125 IN. BTU/FT2-SEC-F	1.231+001	1.117+001	1.161+001	1.209+001	1.153+001	1.134+001	1.038+001	1.016+001
U 3 5.5 IN. BTU/FT2-SEC-F	1.318+001	1.206+001	1.250+001	1.273+001	1.192+001	1.152+001	1.040+001	1.021+001
U 3 7.0 IN. BTU/FT2-SEC-F	1.420+001	1.263+001	1.349+001	1.339+001	1.223+001	1.178+001	1.105+001	1.122+001
U 3 8.5 IN. BTU/FT2-SEC-F	1.600+001	1.427+001	1.462+001	1.430+001	1.299+001	1.261+001	1.206+001	1.243+001
U 3 10.000 IN. BTU/FT2-SEC-F	1.827+001	1.610+001	1.625+001	1.593+001	1.470+001	1.401+001	1.354+001	1.395+001
U 3 11.500 IN. BTU/FT2-SEC-F	1.957+001	1.669+001	1.758+001	1.687+001	1.534+001	1.462+001	1.413+001	1.460+001
U 3 13.0 IN. BTU/FT2-SEC-F	2.150+001	1.826+001	1.918+001	1.820+001	1.649+001	1.561+001	1.498+001	1.550+001
U 3 14.500 IN. BTU/FT2-SEC-F	2.327+001	2.000+001	2.139+001	2.004+001	1.810+001	1.696+001	1.619+001	1.666+001
U 3 17.5 IN. BTU/FT2-SEC-F	3.022+001	2.448+001	2.586+001	2.289+001	2.022+001	1.878+001	1.765+001	1.752+001
U 3 19.500 IN. BTU/FT2-SEC-F	3.252+001	2.440+001	2.506+001	2.200+001	1.922+001	1.770+001	1.674+001	1.659+001
U 3 21.50 IN. BTU/FT2-SEC-F	3.352+001	2.454+001	2.505+001	2.177+001	1.866+001	1.681+001	1.565+001	1.545+001
U 3 23.50 IN. BTU/FT2-SEC-F	3.488+001	2.509+001	2.567+001	2.204+001	1.855+001	1.588+001	1.487+001	1.473+001
U 3 25.5 IN. BTU/FT2-SEC-F	3.486+001	2.591+001	2.623+001	1.616+001	1.809+001	1.502+001	1.561+001	1.421+001
U 3 27.5 IN. BTU/FT2-SEC-F	4.028+001	2.888+001	2.792+001	2.232+001	1.699+001	1.581+001	1.393+001	1.416+001
U 3 29.5 IN. BTU/FT2-SEC-F	3.933+001	2.855+001	3.074+001	2.084+001	1.357+001	1.405+001	1.334+001	1.309+001
U 3 31.0 IN. BTU/FT2-SEC-F	4.167+001	3.120+001	2.831+001	2.127+001	1.443+001	1.398+001	1.375+001	1.379+001
U 3 34.00 IN. BTU/FT2-SEC-F	4.437+001	3.311+001	2.958+001	2.270+001	1.576+001	1.555+001	1.457+001	1.520+001
U 3 36.0 IN. BTU/FT2-SEC-F	3.907+001	2.970+001	2.926+001	2.466+001	1.992+001	1.936+001	1.846+001	1.838+001
U 3 38.00 IN. BTU/FT2-SEC-F	3.736+001	2.809+001	2.787+001	2.424+001	2.022+001	1.998+001	1.922+001	1.912+001
U 3 40.0 IN. BTU/FT2-SEC-F	3.579+001	2.674+001	2.577+001	2.194+001	1.815+001	1.860+001	1.810+001	1.819+001
U 3 42.00 IN. BTU/FT2-SEC-F	3.155+001	2.439+001	2.289+001	1.919+001	1.954+001	1.814+001	1.708+001	1.689+001
U 3 44.000 IN. BTU/FT2-SEC-F	3.042+001	2.296+001	2.123+001	2.570+001	1.899+001	2.187+001	2.013+001	1.984+001
U 3 46.000 IN. BTU/FT2-SEC-F	2.917+001	1.990+001	2.537+001	2.532+001	1.926+001	2.113+001	2.008+001	2.021+001
U 3 47.5 IN. BTU/FT2-SEC-F	2.721+001	1.960+001	2.498+001	2.510+001	1.877+001	2.293+001	2.047+001	1.984+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 19 AUGUST 5, 1982

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	2.850+002		
THK	3	1.125 INCHES	MILS	.000	5.698-001	1.220-001	1.993-003	2.955-001	3.516-001	8.174-001	9.569-001
THK	3	2.5 INCHES	MILS	.000	4.054-001	8.569-002	-7.721-002	1.261-001	1.157-001	4.944-001	5.161-001
THK	3	4.125 INCHES	MILS	.000	3.331-001	1.968-001	5.962-002	2.216-001	2.788-001	6.055-001	6.900-001
THK	3	5.5 INCHES	MILS	.000	2.821-001	1.640-001	1.074-001	3.199-001	4.355-001	8.121-001	8.825-001
THK	3	7.0 INCHES	MILS	.000	3.164-001	1.644-001	1.879-001	4.712-001	5.960-001	8.193-001	7.656-001
THK	3	8.5 INCHES	MILS	.000	3.033-001	2.355-001	2.968-001	5.802-001	6.735-001	8.163-001	7.191-001
THK	3	10.000 INCHES	MILS	.000	2.945-001	2.721-001	3.216-001	5.317-001	6.662-001	7.659-001	6.772-001
THK	3	11.500 INCHES	MILS	.000	3.527-001	2.321-001	3.270-001	5.644-001	6.923-001	7.882-001	6.962-001
THK	3	13.0 INCHES	MILS	.000	3.302-001	2.249-001	3.372-001	5.659-001	7.025-001	8.101-001	7.199-001
THK	3	14.500 INCHES	MILS	.000	2.809-001	1.510-001	2.771-001	4.907-001	6.402-001	7.518-001	6.825-001
THK	3	17.5 INCHES	MILS	.000	3.103-001	2.232-001	4.238-001	6.543-001	8.066-001	9.423-001	9.597-001
THK	3	19.500 INCHES	MILS	.000	4.094-001	3.659-001	5.878-001	8.514-001	1.029+000	1.160+000	1.180+000
THK	3	21.50 INCHES	MILS	.000	4.367-001	4.035-001	6.441-001	9.282-001	1.186+000	1.363+000	1.356+000
THK	3	23.50 INCHES	MILS	.000	4.477-001	4.115-001	6.677-001	1.010+000	1.372+000	1.543+000	1.570+000
THK	3	25.5 INCHES	MILS	.000	3.964-001	3.773-001	1.056+000	1.064+000	1.515+000	1.415+000	1.668+000
THK	3	27.5 INCHES	MILS	.000	3.921-001	4.396-001	7.973-001	1.361+000	1.537+000	1.878+000	1.832+000
THK	3	29.5 INCHES	MILS	.000	3.641-001	2.643-001	9.020-001	1.932+000	1.830+000	1.983+000	2.039+000
THK	3	31.0 INCHES	MILS	.000	3.221-001	4.529-001	9.209-001	1.811+000	1.902+000	1.949+000	1.940+000
THK	3	34.00 INCHES	MILS	.000	3.063-001	4.506-001	8.605-001	1.637+000	1.670+000	1.844+000	1.729+000
THK	3	36.0 INCHES	MILS	.000	3.230-001	3.431-001	5.982-001	9.843-001	1.043+000	1.143+000	1.152+000
THK	3	38.00 INCHES	MILS	.000	3.532-001	3.645-001	5.792-001	9.079-001	9.314-001	1.011+000	1.021+000
THK	3	40.0 INCHES	MILS	.000	3.782-001	4.347-001	7.052-001	1.087+000	1.033+000	1.092+000	1.002+000
THK	3	42.00 INCHES	MILS	.000	3.718-001	4.797-001	8.167-001	7.794-001	9.374-001	1.075+000	1.100+000
THK	3	44.000 INCHES	MILS	.000	4.277-001	5.694-001	2.416-001	7.914-001	5.138-001	6.720-001	7.018-001
THK	3	46.000 INCHES	MILS	.000	6.386-001	2.056-001	2.086-001	7.056-001	5.219-001	6.204-001	6.079-001
THK	3	47.5 INCHES	MILS	.000	5.708-001	1.313-001	1.240-001	6.610-001	2.746-001	4.838-001	5.468-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 20 AUGUST 30, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THALL	3	1.125 INCHES	7.030+002	8.210+002	9.100+002	1.072+003	1.122+003	1.150+003	1.162+003
THALL	3	2.5 INCHES	8.240+002	8.750+002	9.100+002	1.018+003	1.050+003	1.093+003	1.127+003
THALL	3	4.125 INCHES	8.170+002	7.970+002	8.750+002	8.560+002	9.570+002	1.057+003	1.051+003
THALL	3	5.5 INCHES	7.760+002	6.890+002	7.740+002	7.380+002	8.130+002	8.640+002	9.070+002
THALL	3	7.0 INCHES	7.000+002	6.140+002	6.500+002	5.950+002	6.120+002	6.360+002	6.090+002
THALL	3	8.5 INCHES	6.330+002	6.010+002	6.150+002	5.900+002	5.930+002	5.930+002	5.710+002
THALL	3	10.125 INCHES	5.830+002	5.900+002	5.940+002	5.720+002	5.730+002	5.680+002	5.520+002
THALL	3	12.625 INCHES	3.470+002	3.350+002	3.870+002	3.880+002	3.890+002	3.920+002	3.910+002
THALL	3	15.0 INCHES	5.470+002	5.470+002	5.440+002	5.420+002	5.430+002	5.470+002	5.330+002
THALL	3	17.125 INCHES	5.460+002	5.470+002	5.460+002	5.440+002	5.490+002	5.510+002	5.400+002
THALL	3	20.0 INCHES	5.510+002	5.520+002	5.500+002	5.540+002	5.600+002	5.630+002	5.550+002
THALL	3	22.625 INCHES	5.560+002	5.580+002	5.570+002	5.620+002	5.580+002	5.720+002	5.730+002
THALL	3	25.25 INCHES	5.870+002	5.900+002	5.920+002	6.020+002	6.030+002	6.480+002	6.520+002
THALL	3	28.75 INCHES	6.100+002	6.150+002	6.190+002	6.360+002	6.490+002	7.250+002	7.360+002
THALL	3	32.5 INCHES	6.290+002	6.390+002	6.510+002	6.860+002	7.110+002	7.590+002	8.260+002
THALL	3	36.0 INCHES	6.450+002	6.630+002	6.860+002	7.360+002	7.700+002	8.220+002	9.110+002
THALL	3	39.5 INCHES	6.680+002	6.930+002	7.310+002	7.960+002	8.410+002	9.140+002	1.007+003
THALL	3	43.0 INCHES	6.990+002	7.460+002	8.150+002	9.260+002	1.007+003	1.134+003	1.136+003
THALL	3	46.75 INCHES	7.170+002	8.150+002	8.950+002	1.059+003	1.141+003	1.190+003	1.199+003
THALL	3	49.5 INCHES	7.180+002	8.090+002	8.910+002	1.048+003	1.130+003	1.169+003	1.212+003
THALL	3	53.25 INCHES	7.250+002	8.550+002	9.330+002	1.117+003	1.119+003	1.186+003	1.209+003
THALL	3	57.0 INCHES	7.620+002	9.130+002	1.010+003	1.117+003	1.196+003	1.249+003	1.266+003
THALL	3	60.25 INCHES	7.780+002	8.860+002	9.800+002	1.096+003	1.160+003	1.223+003	1.264+003
THALL	3	64.125 INCHES	8.070+002	9.160+002	1.020+003	1.172+003	1.249+003	1.308+003	1.323+003
THALL	3	67.375 INCHES	8.240+002	9.940+002	1.152+003	1.300+003	1.339+003	1.375+003	1.366+003
THALL	3	71.0 INCHES	8.490+002	1.081+003	1.260+003	1.355+003	1.362+003	1.404+003	1.400+003
THALL	3	74.125 INCHES	8.550+002	1.103+003	1.294+003	1.359+003	1.364+003	1.411+003	1.405+003
THALL	3	78.0 INCHES	8.650+002	1.177+003	1.350+003	1.376+003	1.384+003	1.427+003	1.419+003
THALL	3	81.5 INCHES	8.960+002	1.207+003	1.343+003	1.354+003	1.341+003	1.352+003	1.334+003
THALL	3	85.0 INCHES	9.030+002	1.115+003	1.206+003	1.256+003	1.292+003	1.312+003	1.313+003
THALL	3	88.5 INCHES	9.210+002	1.089+003	1.177+003	1.206+003	1.257+003	1.304+003	1.318+003
THALL	3	91.75 INCHES	9.480+002	1.069+003	1.162+003	1.180+003	1.226+003	1.260+003	1.312+003
THALL	3	95.0 INCHES	9.550+002	1.066+003	1.137+003	1.183+003	1.217+003	1.295+003	1.285+003
FUEL PPS	3	0.0 INCHES	4.250+002	4.326+002	4.326+002	4.413+002	4.439+002	4.500+002	4.639+002
FUEL PPS	3	24.0 INCHES	-3.197+002	4.251+002	4.255+002	4.347+002	4.442+002	4.494+002	4.561+002
FUEL PPS	3	48.0 INCHES	-3.230+002	4.217+002	4.222+002	4.309+002	4.325+002	4.442+002	4.509+002
FUEL PPS	3	72.0 INCHES	-3.284+002	4.164+002	4.171+002	4.252+002	4.335+002	4.363+002	4.425+002
FUEL PPS	3	96.0 INCHES	3.840+002	3.901+002	3.914+002	3.929+002	3.939+002	3.930+002	3.949+002
FUEL INLET TEMP	DEG F		7.100+001	7.400+001	7.700+001	8.300+001	8.700+001	9.000+001	9.200+001
FUEL TEMP	3	24.0 INCHES	3.630+002	3.620+002	3.600+002	3.690+002	3.650+002	3.710+002	3.750+002
FUEL TEMP	3	48.0 INCHES	5.740+002	5.710+002	5.730+002	5.950+002	5.970+002	6.160+002	6.460+002
FUEL TEMP	3	72.0 INCHES	7.600+002	7.700+002	7.870+002	8.360+002	8.540+002	8.860+002	9.370+002
FUEL TEMP	3	96.0 INCHES	9.020+002	9.010+002	8.920+002	9.140+002	9.040+002	9.080+002	9.020+002
FLOW RATE	LB/HR		5.979+001	5.954+001	5.905+001	5.867+001	5.909+001	6.054+001	6.015+001
CURRENT	AMPS		1.279+001	1.260+001	1.233+002	1.237+002	1.216+002	1.210+002	1.209+002
VOLTAGE	VOLTS		7.639+001	7.649+001	7.580+001	7.775+001	7.720+001	7.804+001	7.751+001
TEMP	DEG F		9.262+000	9.137+000	8.971+000	9.115+000	8.974+000	9.010+000	8.801+000
FLUX	RM/SEC		5.202+001	5.117+001	4.911+001	5.123+001	5.041+001	5.007+001	4.939+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 20 AUGUST 30, 1982

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER @ 0.0 INCHES	2.222+003	2.205+003	2.167+003	2.173+003	2.186+003	2.144+003	2.242+003	2.228+003
REYNOLDS NUMBER @ 12.0 INCHES	7.557+003	7.501+003	7.439+003	7.331+003	7.434+003	7.294+003	7.627+003	7.578+003
REYNOLDS NUMBER @ 36.0 INCHES	2.021+004	2.006+004	1.989+004	1.976+004	1.983+004	1.950+004	2.039+004	2.026+004
REYNOLDS NUMBER @ 60.0 INCHES	3.809+004	3.781+004	3.750+004	3.726+004	3.747+004	3.677+004	3.844+004	3.820+004
REYNOLDS NUMBER @ 84.0 INCHES	1.969+005	1.954+005	1.938+005	1.925+005	1.936+005	1.900+005	1.967+005	1.974+005
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.626+000	1.650+002	1.577+002	1.628+002	1.647+002	1.529+002	1.693+002	1.682+002
FRICTION FACTOR @ 36.0 INCHES	6.149+003	6.526+003	6.537+003	7.427+003	7.915+003	6.634+003	9.692+003	9.901+003
FRICTION FACTOR @ 60.0 INCHES	9.411+003	8.318+003	8.058+003	9.164+003	9.725+003	1.074+002	1.167+002	1.284+002
FRICTION FACTOR @ 84.0 INCHES	-4.214+001	1.570+002	1.563+002	1.994+002	1.985+002	2.496+002	2.509+002	2.790+002
U @ 1.125 IN. BTU/FT2-SEC-F	8.414+002	6.970+002	6.038+002	5.166+002	4.860+002	4.665+002	4.583+002	4.546+002
U @ 2.5 IN. BTU/FT2-SEC-F	7.200+002	6.634+002	6.163+002	5.506+002	5.270+002	5.050+002	4.940+002	4.864+002
U @ 4.125 IN. BTU/FT2-SEC-F	7.477+002	7.594+002	6.611+002	6.608+002	6.031+002	5.646+002	5.408+002	5.365+002
U @ 5.5 IN. BTU/FT2-SEC-F	6.153+002	9.313+002	7.834+002	8.532+002	7.467+002	6.896+002	6.350+002	6.487+002
U @ 7.0 IN. BTU/FT2-SEC-F	9.427+002	1.121+001	1.009+001	1.167+001	1.106+001	1.077+001	1.055+001	1.102+001
U @ 8.5 IN. BTU/FT2-SEC-F	1.134+001	1.203+001	1.131+001	1.232+001	1.204+001	1.179+001	1.209+001	1.250+001
U @ 10.125 IN. BTU/FT2-SEC-F	1.321+001	1.297+001	1.246+001	1.355+001	1.331+001	1.318+001	1.354+001	1.394+001
U @ 12.625 IN. BTU/FT2-SEC-F	4.250+001	3.200+001	3.069+001	3.133+001	3.066+001	2.973+001	3.023+001	2.998+001
U @ 15.0 IN. BTU/FT2-SEC-F	1.773+001	1.737+001	1.715+001	1.775+001	1.741+001	1.706+001	1.724+001	1.785+001
U @ 17.125 IN. BTU/FT2-SEC-F	1.951+001	1.918+001	1.883+001	1.935+001	1.905+001	1.857+001	1.863+001	1.914+001
U @ 20.0 IN. BTU/FT2-SEC-F	2.198+001	2.159+001	2.115+001	2.136+001	2.143+001	2.038+001	2.035+001	2.073+001
U @ 22.625 IN. BTU/FT2-SEC-F	2.481+001	2.424+001	2.365+001	2.373+001	2.381+001	2.218+001	2.184+001	2.200+001
U @ 25.25 IN. BTU/FT2-SEC-F	2.442+001	2.376+001	2.286+001	2.245+001	1.963+001	1.963+001	1.847+001	1.795+001
U @ 28.75 IN. BTU/FT2-SEC-F	2.535+001	2.441+001	2.326+001	2.214+001	2.064+001	1.762+001	1.580+001	1.506+001
U @ 32.5 IN. BTU/FT2-SEC-F	2.720+001	2.550+001	2.337+001	2.062+001	1.845+001	1.559+001	1.367+001	1.285+001
U @ 36.0 IN. BTU/FT2-SEC-F	2.948+001	2.639+001	2.591+001	1.914+001	1.672+001	1.416+001	1.224+001	1.127+001
U @ 39.5 IN. BTU/FT2-SEC-F	3.083+001	2.649+001	2.150+001	1.725+001	1.475+001	1.207+001	1.033+001	9.826+002
U @ 43.0 IN. BTU/FT2-SEC-F	3.079+001	2.377+001	1.749+001	1.293+001	1.057+001	9.154+002	8.380+002	8.233+002
U @ 46.75 IN. BTU/FT2-SEC-F	3.378+001	2.037+001	1.501+001	1.032+001	8.722+002	7.986+002	7.823+002	7.044+002
U @ 49.5 IN. BTU/FT2-SEC-F	3.930+001	2.298+001	1.632+001	1.107+001	9.260+002	8.298+002	8.080+002	8.147+002
U @ 53.25 IN. BTU/FT2-SEC-F	4.716+001	2.136+001	1.566+001	1.201+001	9.956+002	8.764+002	8.347+002	8.394+002
U @ 57.0 IN. BTU/FT2-SEC-F	4.399+001	1.906+001	1.375+001	1.082+001	9.128+002	8.273+002	7.967+002	8.018+002
U @ 60.25 IN. BTU/FT2-SEC-F	4.770+001	2.364+001	1.602+001	1.199+001	1.027+001	9.037+002	8.406+002	8.304+002
U @ 64.125 IN. BTU/FT2-SEC-F	4.816+001	2.365+001	1.552+001	1.082+001	9.165+002	8.221+002	7.945+002	7.995+002
U @ 67.375 IN. BTU/FT2-SEC-F	5.211+001	1.902+001	1.165+001	8.891+002	8.199+002	7.899+002	7.776+002	7.773+002
U @ 71.0 IN. BTU/FT2-SEC-F	5.377+001	1.561+001	9.814+002	8.454+002	8.268+002	7.951+002	7.766+002	7.702+002
U @ 74.125 IN. BTU/FT2-SEC-F	6.236+001	1.553+001	9.744+002	8.731+002	8.524+002	8.189+002	7.928+002	7.889+002
U @ 78.0 IN. BTU/FT2-SEC-F	7.485+001	1.345+001	8.937+002	8.820+002	8.564+002	8.175+002	8.015+002	8.001+002
U @ 81.5 IN. BTU/FT2-SEC-F	6.520+001	1.313+001	9.460+002	9.50+002	9.603+002	9.467+002	9.446+002	9.635+002
U @ 85.0 IN. BTU/FT2-SEC-F	7.872+001	1.846+001	1.350+001	1.222+001	1.100+001	1.122+001	1.070+001	1.043+001
U @ 88.5 IN. BTU/FT2-SEC-F	8.209+001	2.126+001	1.560+001	1.470+001	1.262+001	1.122+001	1.070+001	1.034+001
U @ 91.75 IN. BTU/FT2-SEC-F	7.312+001	2.419+001	1.740+001	1.603+001	1.444+001	1.242+001	1.153+001	1.146+001
U @ 95.0 IN. BTU/FT2-SEC-F	8.830+001	3.020+001	2.060+001	1.784+001	1.571+001	1.376+001	1.269+001	1.203+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 20 AUGUST 30, 1982

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK	3 1.125	INCHES	MILS	THK	3 1.871+000	2.960+000	3.477+000	3.820+000	4.044+000
THK	3 2.5	INCHES	MILS	THK	3 3.366+001	1.605+000	2.034+000	2.366+000	2.542+000
THK	3 4.125	INCHES	MILS	THK	3 8.278+002	7.035+001	1.282+000	1.735+000	2.046+000
THK	3 5.5	INCHES	MILS	THK	3 6.110+001	1.997+001	4.505+001	8.945+001	1.366+000
THK	3 7.0	INCHES	MILS	THK	3 6.746+001	-2.780+001	-6.144+001	-5.294+001	-4.506+001
THK	3 8.5	INCHES	MILS	THK	3 2.012+001	1.055+002	-2.791+001	-1.340+001	-2.177+001
THK	3 10.125	INCHES	MILS	THK	3 5.896+002	1.813+001	-7.617+002	6.321+003	-7.357+002
THK	3 12.625	INCHES	MILS	THK	3 3.090+001	3.625+001	3.634+001	4.042+001	3.819+001
THK	3 15.0	INCHES	MILS	THK	3 4.642+002	7.514+002	4.044+002	8.807+002	6.298+002
THK	3 17.125	INCHES	MILS	THK	3 3.581+002	7.409+002	1.744+002	1.040+001	9.673+002
THK	3 20.0	INCHES	MILS	THK	3 3.266+002	7.198+002	5.278+002	1.429+001	1.456+001
THK	3 22.625	INCHES	MILS	THK	3 3.752+002	7.893+002	6.744+002	1.908+001	2.189+001
THK	3 25.25	INCHES	MILS	THK	3 4.576+002	1.121+001	1.436+001	3.934+001	5.278+001
THK	3 28.75	INCHES	MILS	THK	3 6.053+002	1.416+001	2.286+001	6.927+001	9.529+001
THK	3 32.5	INCHES	MILS	THK	3 9.803+002	2.413+001	4.650+001	1.055+000	1.456+000
THK	3 35.0	INCHES	MILS	THK	3 1.588+001	3.283+001	7.328+001	1.035+000	1.911+000
THK	3 39.5	INCHES	MILS	THK	3 2.126+001	5.627+001	1.021+000	2.016+000	2.573+000
THK	3 43.0	INCHES	MILS	THK	3 3.861+001	9.882+001	1.794+000	3.070+000	3.474+000
THK	3 46.75	INCHES	MILS	THK	3 7.800+001	1.481+000	3.402+000	3.825+000	3.929+000
THK	3 49.5	INCHES	MILS	THK	3 7.231+001	1.433+000	3.302+000	3.802+000	3.933+000
THK	3 53.25	INCHES	MILS	THK	3 1.025+000	1.707+000	2.595+000	3.153+000	3.944+000
THK	3 57.0	INCHES	MILS	THK	3 1.189+000	1.958+000	2.788+000	3.473+000	4.111+000
THK	3 60.25	INCHES	MILS	THK	3 8.532+001	1.658+000	2.498+000	3.580+000	3.920+000
THK	3 64.125	INCHES	MILS	THK	3 6.609+001	1.746+000	2.865+000	4.035+000	4.204+000
THK	3 67.375	INCHES	MILS	THK	3 1.335+000	2.667+000	3.731+000	4.287+000	4.376+000
THK	3 71.0	INCHES	MILS	THK	3 1.818+000	3.332+000	4.074+000	4.296+000	4.407+000
THK	3 74.125	INCHES	MILS	THK	3 1.934+000	3.464+000	4.051+000	4.243+000	4.404+000
THK	3 78.0	INCHES	MILS	THK	3 2.439+000	3.917+000	4.135+000	4.359+000	4.457+000
THK	3 81.5	INCHES	MILS	THK	3 2.432+000	3.615+000	3.551+000	3.611+000	3.621+000
THK	3 85.0	INCHES	MILS	THK	3 1.659+000	2.454+000	3.103+000	3.287+000	3.357+000
THK	3 88.5	INCHES	MILS	THK	3 1.394+000	2.076+000	2.682+000	3.079+000	3.222+000
THK	3 91.75	INCHES	MILS	THK	3 1.106+000	1.742+000	2.223+000	2.674+000	2.924+000
THK	3 95.0	INCHES	MILS	THK	3 8.713+001	1.481+000	2.093+000	2.454+000	2.700+000
									2.665+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 21 SEPTEMBER 1, 1982

TIME	MIN	.000	4.500+001	9.013+001	1.351+002	1.601+002	2.251+002	2.701+002	3.001+002
THALL	3	1.125 INCHES	4.310+002	4.360+002	4.390+002	4.200+002	4.360+002	4.300+002	4.410+002
THALL	3	2.5 INCHES	5.000+002	5.060+002	5.100+002	4.940+002	5.060+002	5.010+002	5.190+002
THALL	3	4.125 INCHES	5.640+002	5.610+002	5.770+002	5.570+002	5.720+002	5.710+002	5.070+002
THALL	3	5.5 INCHES	5.890+002	5.960+002	6.070+002	5.900+002	6.110+002	6.140+002	6.410+002
THALL	3	7.0 INCHES	5.910+002	6.050+002	6.130+002	6.020+002	6.220+002	6.250+002	6.530+002
THALL	3	8.5 INCHES	5.640+002	5.810+002	5.820+002	5.670+002	5.770+002	5.660+002	5.900+002
THALL	3	10.125 INCHES	5.330+002	5.500+002	5.500+002	5.340+002	5.390+002	5.280+002	5.510+002
THALL	3	12.625 INCHES	4.920+002	5.000+002	5.060+002	5.000+002	4.990+002	4.890+002	5.020+002
THALL	3	15.0 INCHES	4.670+002	4.750+002	4.750+002	4.750+002	4.710+002	4.730+002	4.830+002
THALL	3	17.125 INCHES	4.570+002	4.590+002	4.640+002	4.610+002	4.570+002	4.610+002	4.690+002
THALL	3	22.625 INCHES	4.530+002	4.560+002	4.580+002	4.580+002	4.540+002	4.590+002	4.680+002
THALL	3	25.25 INCHES	4.290+002	4.350+002	4.310+002	4.330+002	4.310+002	4.360+002	4.430+002
THALL	3	28.75 INCHES	4.550+002	4.560+002	4.580+002	4.580+002	4.570+002	4.610+002	4.700+002
THALL	3	32.5 INCHES	4.710+002	4.710+002	4.730+002	4.740+002	4.730+002	4.780+002	4.870+002
THALL	3	36.0 INCHES	4.640+002	4.690+002	4.650+002	4.660+002	4.660+002	4.910+002	5.000+002
THALL	3	39.5 INCHES	4.990+002	4.970+002	5.010+002	5.020+002	5.020+002	5.070+002	5.170+002
THALL	3	43.0 INCHES	5.180+002	5.180+002	5.210+002	5.260+002	5.240+002	5.300+002	5.360+002
THALL	3	46.75 INCHES	5.360+002	5.430+002	5.370+002	5.490+002	5.500+002	5.530+002	5.700+002
THALL	3	49.5 INCHES	5.530+002	5.630+002	5.570+002	5.720+002	5.680+002	5.870+002	6.000+002
THALL	3	53.25 INCHES	5.680+002	5.770+002	5.810+002	5.920+002	6.000+002	6.260+002	6.450+002
THALL	3	57.0 INCHES	5.890+002	5.980+002	6.130+002	6.350+002	6.770+002	6.790+002	7.080+002
THALL	3	60.25 INCHES	6.100+002	6.300+002	6.430+002	6.720+002	6.870+002	7.230+002	7.540+002
THALL	3	64.125 INCHES	6.240+002	6.370+002	6.680+002	7.050+002	7.200+002	7.640+002	7.970+002
THALL	3	67.375 INCHES	6.430+002	6.570+002	6.950+002	7.390+002	7.570+002	8.090+002	8.460+002
THALL	3	71.0 INCHES	6.580+002	6.860+002	7.450+002	7.980+002	8.250+002	8.760+002	9.120+002
THALL	3	74.125 INCHES	6.690+002	7.030+002	7.700+002	8.450+002	8.600+002	9.270+002	9.680+002
THALL	3	78.0 INCHES	6.920+002	7.520+002	8.150+002	9.560+002	1.043+003	1.079+003	1.079+003
THALL	3	81.5 INCHES	7.120+002	8.130+002	1.002+003	1.085+003	1.116+003	1.175+003	1.202+003
THALL	3	85.0 INCHES	7.370+002	9.010+002	1.060+003	1.222+003	1.221+003	1.242+003	1.250+003
THALL	3	88.5 INCHES	7.460+002	8.910+002	1.096+003	1.179+003	1.200+003	1.246+003	1.260+003
THALL	3	91.75 INCHES	7.550+002	8.140+002	9.190+002	9.950+002	1.029+003	1.099+003	1.140+003
THALL	3	95.0 INCHES	7.720+002	8.330+002	9.440+002	1.023+003	1.063+003	1.137+003	1.183+003
FUEL PRES	3	0.0 INCHES PSIG	4.136+002	4.130+002	4.162+002	4.156+002	4.111+002	4.114+002	4.140+002
FUEL PRES	3	24.0 INCHES PSIG	4.055+002	4.066+002	4.090+002	4.082+002	4.065+002	4.068+002	4.095+002
FUEL PRES	3	48.0 INCHES PSIG	4.002+002	4.017+002	4.042+002	4.035+002	4.012+002	4.012+002	4.035+002
FUEL PRES	3	72.0 INCHES PSIG	3.959+002	3.966+002	3.996+002	3.983+002	3.927+002	3.918+002	3.925+002
FUEL PRES	3	96.0 INCHES PSIG	3.905+002	3.903+002	3.921+002	3.903+002	3.927+002	3.918+002	3.925+002
FUEL INLET TEMP			7.800+001	8.000+001	8.400+001	8.400+001	8.600+001	8.700+001	8.800+001
FUEL TEMP	3	24.0 INCHES DEG F	2.950+002	2.920+002	2.970+002	2.960+002	2.970+002	2.960+002	2.940+002
FUEL TEMP	3	48.0 INCHES DEG F	4.250+002	4.250+002	4.280+002	4.280+002	4.290+002	4.290+002	4.240+002
FUEL TEMP	3	72.0 INCHES DEG F	5.620+002	5.590+002	5.700+002	5.700+002	5.780+002	5.820+002	5.830+002
FUEL TEMP	3	96.0 INCHES DEG F	6.060+002	6.750+002	6.930+002	6.870+002	6.970+002	6.960+002	7.040+002
FLOW RATE		LM/HP	6.117+001	6.013+001	6.001+001	5.983+001	5.953+001	6.000+001	6.019+001
CURRENT		AMPS	1.070+002	1.065+002	1.035+002	1.019+002	1.030+002	1.034+002	1.047+002
VOLTAGE		VOLTS	6.019+001	5.913+001	5.963+001	5.856+001	5.999+001	6.035+001	6.152+001
POWER		RM/SEC	6.107+000	5.837+000	5.850+000	5.656+000	5.856+000	5.914+000	6.103+000
FUEL		RM/SEC-SGT	3.631+001	3.277+001	3.596+001	3.176+001	3.209+001	3.322+001	3.431+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 21 SEPTEMBER 1, 1982

TIME MIN	.000	4.500+001	9.013+001	1.351+002	1.801+002	2.251+002	2.701+002	3.001+002
REYNOLDS NUMBER 3 0.0 INCHES	2.445+003	2.452+003	2.409+003	2.400+003	2.392+003	2.301+003	2.399+003	2.407+003
REYNOLDS NUMBER 3 12.0 INCHES	6.379+003	6.397+003	6.286+003	6.262+003	6.242+003	6.213+003	6.261+003	6.281+003
REYNOLDS NUMBER 3 36.0 INCHES	1.438+004	1.442+004	1.417+004	1.411+004	1.407+004	1.400+004	1.411+004	1.416+004
REYNOLDS NUMBER 3 60.0 INCHES	2.233+004	2.240+004	2.201+004	2.192+004	2.185+004	2.175+004	2.192+004	2.199+004
REYNOLDS NUMBER 3 84.0 INCHES	3.359+004	3.368+004	3.310+004	3.297+004	3.287+004	3.271+004	3.297+004	3.307+004
FRICTION FACTOR 3 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR 3 12.0 INCHES	1.715-002	1.651-002	1.566-002	1.595-002	1.653-002	1.629-002	1.672-002	1.416-002
FRICTION FACTOR 3 36.0 INCHES	1.041-002	1.008-002	9.016-003	9.634-003	9.637-003	9.522-003	9.372-003	9.062-003
FRICTION FACTOR 3 60.0 INCHES	7.513-003	7.567-003	8.101-003	8.608-003	9.091-003	9.736-003	1.027-002	1.091-002
FRICTION FACTOR 3 84.0 INCHES	8.599-003	9.365-003	1.134-002	1.226-002	1.361-002	1.432-002	1.545-002	1.791-002
U 3 1.125 IN. BTU/FT2-SEC-F	1.001-001	9.537-002	9.407-002	9.366-002	9.347-002	9.457-002	9.719-002	9.724-002
U 3 2.5 IN. BTU/FT2-SEC-F	8.590-002	8.169-002	8.071-002	8.026-002	8.074-002	8.114-002	8.297-002	8.200-002
U 3 4.125 IN. BTU/FT2-SEC-F	7.646-002	7.357-002	7.292-002	7.117-002	7.191-002	7.203-002	7.290-002	7.273-002
U 3 5.5 IN. BTU/FT2-SEC-F	7.438-002	7.187-002	6.988-002	6.856-002	6.871-002	6.807-002	6.832-002	6.684-002
U 3 7.0 IN. BTU/FT2-SEC-F	7.629-002	7.357-002	7.056-002	6.966-002	6.895-002	6.843-002	6.868-002	6.704-002
U 3 8.5 IN. BTU/FT2-SEC-F	8.385-002	8.093-002	7.678-002	7.693-002	7.707-002	7.792-002	8.080-002	7.894-002
U 3 10.125 IN. BTU/FT2-SEC-F	9.440-002	9.072-002	8.600-002	8.637-002	8.716-002	8.903-002	9.268-002	8.994-002
U 3 12.625 IN. BTU/FT2-SEC-F	1.144-001	1.101-001	1.063-001	1.047-001	1.032-001	1.072-001	1.119-001	1.107-001
U 3 15.0 IN. BTU/FT2-SEC-F	1.354-001	1.279-001	1.252-001	1.238-001	1.215-001	1.270-001	1.281-001	1.274-001
U 3 17.125 IN. BTU/FT2-SEC-F	1.531-001	1.463-001	1.447-001	1.421-001	1.392-001	1.467-001	1.456-001	1.453-001
U 3 20.0 IN. BTU/FT2-SEC-F	1.767-001	1.689-001	1.660-001	1.650-001	1.595-001	1.685-001	1.660-001	1.640-001
U 3 22.625 IN. BTU/FT2-SEC-F	1.970-001	1.859-001	1.876-001	1.831-001	1.780-001	1.875-001	1.862-001	1.811-001
U 3 25.25 IN. BTU/FT2-SEC-F	2.697-001	2.461-001	2.552-001	2.543-001	2.421-001	2.545-001	2.475-001	2.429-001
U 3 28.75 IN. BTU/FT2-SEC-F	2.555-001	2.338-001	2.419-001	2.394-001	2.314-001	2.414-001	2.368-001	2.298-001
U 3 32.5 IN. BTU/FT2-SEC-F	2.640-001	2.412-001	2.518-001	2.490-001	2.389-001	2.493-001	2.426-001	2.350-001
U 3 36.0 IN. BTU/FT2-SEC-F	2.767-001	2.542-001	2.639-001	2.608-001	2.521-001	2.611-001	2.536-001	2.451-001
U 3 39.5 IN. BTU/FT2-SEC-F	2.858-001	2.581-001	2.726-001	2.692-001	2.582-001	2.673-001	2.595-001	2.485-001
U 3 43.0 IN. BTU/FT2-SEC-F	2.857-001	2.580-001	2.725-001	2.670-001	2.400-001	2.609-001	2.515-001	2.449-001
U 3 46.75 IN. BTU/FT2-SEC-F	2.913-001	2.628-001	2.822-001	2.767-001	2.429-001	2.496-001	2.377-001	2.260-001
U 3 49.5 IN. BTU/FT2-SEC-F	2.872-001	2.573-001	2.828-001	2.642-001	2.295-001	2.447-001	2.165-001	2.061-001
U 3 53.25 IN. BTU/FT2-SEC-F	3.035-001	2.687-001	2.556-001	2.607-001	2.205-001	2.268-001	1.942-001	1.805-001
U 3 57.0 IN. BTU/FT2-SEC-F	3.046-001	2.696-001	2.505-001	2.405-001	2.003-001	1.928-001	1.640-001	1.481-001
U 3 60.25 IN. BTU/FT2-SEC-F	2.981-001	2.540-001	2.370-001	2.219-001	1.794-001	1.713-001	1.457-001	1.324-001
U 3 64.125 IN. BTU/FT2-SEC-F	3.208-001	2.734-001	2.305-001	2.177-001	1.690-001	1.621-001	1.345-001	1.225-001
U 3 67.375 IN. BTU/FT2-SEC-F	3.194-001	2.701-001	2.220-001	2.061-001	1.562-001	1.486-001	1.215-001	1.105-001
U 3 71.0 IN. BTU/FT2-SEC-F	3.373-001	2.568-001	1.987-001	1.741-001	1.314-001	1.224-001	1.039-001	9.645-002
U 3 74.125 IN. BTU/FT2-SEC-F	3.573-001	2.522-001	1.870-001	1.603-001	1.168-001	1.086-001	9.384-002	8.685-002
U 3 78.0 IN. BTU/FT2-SEC-F	3.465-001	2.062-001	1.474-001	1.174-001	8.751-002	8.456-002	7.303-002	7.059-002
U 3 81.5 IN. BTU/FT2-SEC-F	3.400-001	1.624-001	1.133-001	8.406-002	6.703-002	6.515-002	5.871-002	5.806-002
U 3 85.0 IN. BTU/FT2-SEC-F	3.182-001	1.206-001	7.595-002	6.297-002	5.358-002	5.558-002	5.421-002	5.526-002
U 3 89.5 IN. BTU/FT2-SEC-F	3.405-001	1.345-001	9.070-002	7.489-002	5.974-002	5.951-002	5.548-002	5.599-002
U 3 91.75 IN. BTU/FT2-SEC-F	3.772-001	2.187-001	1.576-001	1.269-001	9.553-002	9.013-002	7.438-002	7.208-002
U 3 95.0 IN. BTU/FT2-SEC-F	3.763-001	2.141-001	1.544-001	1.249-001	9.203-002	8.607-002	7.203-002	6.832-002

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 21 SEPTEMBER 1, 1962

TIME	MIN	.000	4.500+001	9.013+001	1.351+002	1.801+002	2.251+002	2.701+002	3.001+002
THK	3 1.125	INCHES	MILS	1.973-001	2.550-001	2.736-001	2.823-001	2.326-001	1.187-001
THK	3 2.5	INCHES	MILS	2.400-001	2.992-001	3.271-001	2.973-001	2.731-001	1.644-001
THK	3 4.125	INCHES	MILS	2.056-001	2.538-001	3.889-001	3.308-001	3.222-001	2.554-001
THK	3 5.5	INCHES	MILS	1.880-001	3.465-001	4.562-001	4.432-001	4.769-001	6.064-001
THK	3 7.0	INCHES	MILS	1.940-001	4.255-001	4.990-001	5.586-001	6.024-001	5.809-001
THK	3 8.5	INCHES	MILS	1.721-001	4.392-001	4.295-001	4.199-001	3.632-001	1.801-001
THK	3 10.125	INCHES	MILS	1.718-001	4.134-001	3.938-001	3.519-001	2.551-001	7.840-002
THK	3 12.625	INCHES	MILS	1.375-001	2.674-001	3.246-001	3.807-001	2.354-001	7.823-002
THK	3 15.0	INCHES	MILS	1.734-001	2.411-001	2.763-001	3.373-001	1.756-001	1.689-001
THK	3 17.125	INCHES	MILS	1.210-001	1.512-001	2.004-001	2.596-001	1.124-001	1.336-001
THK	3 20.0	INCHES	MILS	1.048-001	1.465-001	1.607-001	2.442-001	1.095-001	1.463-001
THK	3 22.625	INCHES	MILS	1.302-001	1.103-001	1.622-001	2.249-001	1.112-001	1.263-001
THK	3 25.25	INCHES	MILS	1.419-001	8.419-002	8.975-002	1.692-001	8.609-002	1.328-001
THK	3 28.75	INCHES	MILS	1.457-001	8.817-002	1.055-001	1.631-001	9.162-002	1.234-001
THK	3 32.5	INCHES	MILS	1.433-001	7.351-002	9.116-002	1.591-001	8.946-002	1.338-001
THK	3 36.0	INCHES	MILS	1.279-001	7.013-002	8.809-002	1.410-001	8.647-002	1.316-001
THK	3 39.5	INCHES	MILS	1.502-001	6.790-002	8.606-002	1.498-001	9.665-002	1.421-001
THK	3 43.0	INCHES	MILS	1.502-001	6.792-002	9.825-002	2.128-001	1.331-001	1.903-001
THK	3 49.5	INCHES	MILS	1.490-001	1.522-001	7.272-001	2.737-001	2.293-001	3.098-001
THK	3 53.25	INCHES	MILS	1.621-001	1.890-001	1.101-001	3.508-002	2.423-001	4.549-001
THK	3 57.0	INCHES	MILS	1.708-001	2.473-001	2.164-001	4.959-001	4.458-001	7.414-001
THK	3 60.25	INCHES	MILS	1.706-001	2.837-001	3.501-001	6.844-001	7.617-001	1.127+000
THK	3 64.125	INCHES	MILS	2.329-001	3.463-001	4.609-001	8.892-001	9.940-001	1.404+000
THK	3 67.375	INCHES	MILS	2.163-001	4.884-001	5.906-001	1.120+000	1.221+000	1.726+000
THK	3 71.0	INCHES	MILS	2.288-001	5.997-001	6.882-001	1.309+000	1.440+000	2.040+000
THK	3 74.125	INCHES	MILS	4.666-001	1.020+000	1.376+000	2.306+000	2.082+000	2.664+000
THK	3 78.0	INCHES	MILS	7.854-001	1.560+000	2.254+000	3.417+000	2.565+000	3.143+000
THK	3 81.5	INCHES	MILS	1.287+000	2.355+000	3.582+000	4.791+000	3.576+000	4.264+000
THK	3 85.0	INCHES	MILS	2.059+000	4.010+000	5.095+000	6.208+000	4.963+000	5.613+000
THK	3 88.5	INCHES	MILS	1.799+000	3.235+000	4.166+000	5.521+000	5.940+000	6.122+000
THK	3 91.75	INCHES	MILS	7.688-001	1.445+000	2.043+000	3.107+000	5.547+000	6.035+000
THK	3 95.0	INCHES	MILS	8.055-001	1.494+000	2.141+000	3.246+000	3.377+000	4.177+000
THK								4.430+000	4.792+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 22 SEPTEMBER 3, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.000+002	2.250+002	2.700+002	3.000+002
THALL	3	2.920+002	2.860+002	2.900+002	2.930+002	2.930+002	2.870+002	2.670+002	2.670+002
THALL	3	3.220+002	3.110+002	3.150+002	3.190+002	3.210+002	3.110+002	3.150+002	3.140+002
THALL	3	3.470+002	3.340+002	3.370+002	3.400+002	3.420+002	3.350+002	3.370+002	3.370+002
THALL	3	3.660+002	3.470+002	3.530+002	3.540+002	3.590+002	3.480+002	3.380+002	3.490+002
THALL	3	3.740+002	3.260+002	3.120+002	3.500+002	3.500+002	3.210+002	3.170+002	3.140+002
THALL	3	3.810+002	3.660+002	3.650+002	3.730+002	3.640+002	3.520+002	3.450+002	3.470+002
THALL	3	3.810+002	3.660+002	3.610+002	3.680+002	3.610+002	3.470+002	3.390+002	3.400+002
THALL	3	3.760+002	3.660+002	3.500+002	3.610+002	3.560+002	3.420+002	3.340+002	3.350+002
THALL	3	3.660+002	3.590+002	3.530+002	3.510+002	3.460+002	3.370+002	3.320+002	3.330+002
THALL	3	3.550+002	3.520+002	3.420+002	3.480+002	3.440+002	3.340+002	3.310+002	3.320+002
THALL	3	3.570+002	3.510+002	3.520+002	3.510+002	3.500+002	3.390+002	3.370+002	3.400+002
THALL	3	3.530+002	3.510+002	3.510+002	3.510+002	3.500+002	3.370+002	3.350+002	3.370+002
THALL	3	3.410+002	3.330+002	3.390+002	3.390+002	3.400+002	3.320+002	3.310+002	3.330+002
THALL	3	3.440+002	3.400+002	3.420+002	3.440+002	3.430+002	3.370+002	3.370+002	3.390+002
THALL	3	3.660+002	3.570+002	3.630+002	3.440+002	3.640+002	3.550+002	3.550+002	3.570+002
THALL	3	3.760+002	3.680+002	3.740+002	3.690+002	3.750+002	3.650+002	3.650+002	3.680+002
THALL	3	3.870+002	3.760+002	3.830+002	3.780+002	3.850+002	3.750+002	3.770+002	3.750+002
THALL	3	3.960+002	3.860+002	3.930+002	3.890+002	3.950+002	3.850+002	3.870+002	3.850+002
THALL	3	4.040+002	3.930+002	4.010+002	3.960+002	4.020+002	3.920+002	3.950+002	3.920+002
THALL	3	4.150+002	4.020+002	4.110+002	4.060+002	4.120+002	4.020+002	4.050+002	4.030+002
THALL	3	4.240+002	4.110+002	4.190+002	4.140+002	4.210+002	4.110+002	4.130+002	4.110+002
THALL	3	4.370+002	4.250+002	4.350+002	4.300+002	4.370+002	4.260+002	4.290+002	4.260+002
THALL	3	.000	.000	.000	.000	.000	.000	.000	.000
THALL	3	4.590+002	4.470+002	4.500+002	4.520+002	4.600+002	4.550+002	4.520+002	4.490+002
THALL	3	4.660+002	4.550+002	4.630+002	4.620+002	4.650+002	4.610+002	4.590+002	4.580+002
THALL	3	4.810+002	4.670+002	4.790+002	4.730+002	4.820+002	4.770+002	4.720+002	4.700+002
THALL	3	4.940+002	4.800+002	4.910+002	4.850+002	4.950+002	4.910+002	4.860+002	4.790+002
THALL	3	5.040+002	4.910+002	5.030+002	4.970+002	5.070+002	5.030+002	4.990+002	4.930+002
THALL	3	5.190+002	5.030+002	5.160+002	5.110+002	5.220+002	5.190+002	5.150+002	5.090+002
THALL	3	5.300+002	5.160+002	5.290+002	5.250+002	5.360+002	5.330+002	5.300+002	5.270+002
THALL	3	5.440+002	5.290+002	5.440+002	5.400+002	5.530+002	5.500+002	5.460+002	5.440+002
THALL	3	5.550+002	5.410+002	5.540+002	5.530+002	5.650+002	5.630+002	5.610+002	5.590+002
THALL	3	5.630+002	5.500+002	5.610+002	5.630+002	5.770+002	5.660+002	5.720+002	5.720+002
THALL	3	4.135+002	4.139+002	4.178+002	4.179+002	4.108+002	4.194+002	4.200+002	4.206+002
FUEL PRES	3	4.055+002	4.066+002	4.075+002	4.102+002	4.108+002	4.118+002	4.123+002	4.132+002
FUEL PRES	3	4.017+002	4.029+002	4.057+002	4.065+002	4.071+002	4.082+002	4.086+002	4.096+002
FUEL PRES	3	3.972+002	3.988+002	4.011+002	4.021+002	4.029+002	4.041+002	4.046+002	4.056+002
FUEL PRES	3	3.923+002	3.933+002	3.953+002	3.951+002	3.957+002	3.961+002	3.960+002	3.965+002
FUEL INLET TEMP		7.800+001	8.200+001	8.600+001	9.000+001	9.400+001	9.700+001	9.800+001	1.000+002
FUEL TEMP	3	2.240+002	2.260+002	2.230+002	2.200+002	2.260+002	2.300+002	2.310+002	2.320+002
FUEL TEMP	3	3.170+002	3.160+002	3.120+002	3.190+002	3.140+002	3.210+002	3.220+002	3.230+002
FUEL TEMP	3	4.060+002	4.020+002	3.950+002	4.050+002	3.960+002	4.040+002	4.060+002	4.050+002
FUEL TEMP	3	5.010+002	4.870+002	4.830+002	4.900+002	4.870+002	4.900+002	4.890+002	4.870+002
FUEL DATE	LB/HR	6.001+001	5.798+001	6.039+001	6.018+001	5.961+001	6.074+001	6.059+001	5.999+001
CURRENT	AMPS	8.564+001	8.314+001	8.344+001	8.344+001	8.054+001	8.153+001	8.027+001	7.983+001
VOLTAGE	VOLTS	4.679+001	4.540+001	4.553+001	4.537+001	4.387+001	4.444+001	4.393+001	4.375+001
FUEL	BTU/SEC	3.798+000	3.576+000	3.592+000	3.589+000	3.382+000	3.433+000	3.386+000	3.310+000
FUEL	PIU SEC-SOFT	2.133+001	2.070+001	2.014+001	2.016+001	1.881+001	1.978+001	1.873+001	1.869+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 22 SEPTEMBER 3, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER	3 0.0 INCHES	2.400+003	2.319+003	2.415+003	2.407+003	2.304+003	2.409+003	2.423+003	2.399+003
REYNOLDS NUMBER	3 12.0 INCHES	4.973+003	4.604+003	5.004+003	4.967+003	4.939+003	4.991+003	5.021+003	4.971+003
REYNOLDS NUMBER	3 36.0 INCHES	9.926+003	9.590+003	9.990+003	9.955+003	9.859+003	9.964+003	1.002+004	9.923+003
REYNOLDS NUMBER	3 60.0 INCHES	1.418+004	1.370+004	1.427+004	1.422+004	1.409+004	1.424+004	1.432+004	1.418+004
REYNOLDS NUMBER	3 84.0 INCHES	1.931+004	1.866+004	1.944+004	1.937+004	1.918+004	1.939+004	1.950+004	1.931+004
FRICTION FACTOR	3 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR	3 12.0 INCHES	1.792+002	1.750+002	1.847+002	1.727+002	1.775+002	1.697+002	1.712+002	1.679+002
FRICTION FACTOR	3 36.0 INCHES	8.126+003	8.219+003	8.008+003	7.896+003	7.943+003	7.710+003	7.537+003	7.610+003
FRICTION FACTOR	3 60.0 INCHES	9.006+003	8.971+003	8.971+003	8.669+003	8.591+003	8.110+003	7.943+003	8.021+003
FRICTION FACTOR	3 84.0 INCHES	9.263+003	1.124+002	1.111+002	1.334+002	1.398+002	1.520+002	1.609+002	1.731+002
U 3 1.125 IN. BTU/FT2-SEC-F		1.030+001	1.004+001	9.827+002	9.684+002	9.037+002	9.539+002	9.265+002	9.198+002
U 3 2.5 IN. BTU/FT2-SEC-F		9.324+002	9.274+002	9.093+002	8.928+002	8.258+002	8.854+002	8.445+002	8.422+002
U 3 4.125 IN. BTU/FT2-SEC-F		8.747+002	8.747+002	8.545+002	8.509+002	7.874+002	8.315+002	7.940+002	7.950+002
U 3 5.5 IN. BTU/FT2-SEC-F		8.391+002	8.575+002	8.346+002	8.311+002	7.599+002	8.153+002	8.268+002	7.828+002
U 3 7.0 IN. BTU/FT2-SEC-F		8.418+002	9.032+002	1.023+001	8.787+002	6.692+002	6.622+002	9.536+002	9.614+002
U 3 8.5 IN. BTU/FT2-SEC-F		8.490+002	8.547+002	8.568+002	8.286+002	8.029+002	8.675+002	8.700+002	8.558+002
U 3 10.125 IN. BTU/FT2-SEC-F		8.637+002	8.212+002	9.105+002	8.026+002	8.496+002	9.298+002	9.393+002	9.279+002
U 3 12.625 IN. BTU/FT2-SEC-F		9.645+002	9.563+002	9.921+002	9.776+002	9.350+002	1.030+001	1.045+001	1.032+001
U 3 15.0 IN. BTU/FT2-SEC-F		1.084+001	1.064+001	1.097+001	1.109+001	1.064+001	1.136+001	1.151+001	1.136+001
U 3 17.125 IN. BTU/FT2-SEC-F		1.234+001	1.189+001	1.216+001	1.216+001	1.162+001	1.270+001	1.259+001	1.241+001
U 3 20.0 IN. BTU/FT2-SEC-F		1.356+001	1.335+001	1.323+001	1.332+001	1.260+001	1.404+001	1.364+001	1.354+001
U 3 22.625 IN. BTU/FT2-SEC-F		1.520+001	1.492+001	1.489+001	1.489+001	1.400+001	1.563+001	1.543+001	1.495+001
U 3 25.25 IN. BTU/FT2-SEC-F		1.902+001	1.939+001	1.830+001	1.830+001	1.692+001	1.869+001	1.834+001	1.785+001
U 3 28.75 IN. BTU/FT2-SEC-F		2.100+001	2.069+001	2.024+001	1.984+001	1.870+001	2.039+001	1.980+001	1.925+001
U 3 32.5 IN. BTU/FT2-SEC-F		1.956+001	2.018+001	1.901+001	2.315+001	1.757+001	1.967+001	1.910+001	1.858+001
U 3 36.0 IN. BTU/FT2-SEC-F		2.022+001	2.071+001	1.948+001	2.047+001	1.600+001	2.041+001	1.982+001	1.907+001
U 3 39.5 IN. BTU/FT2-SEC-F		2.072+001	2.197+001	2.039+001	2.146+001	1.864+001	2.121+001	2.015+001	2.045+001
U 3 43.0 IN. BTU/FT2-SEC-F		2.169+001	2.285+001	2.114+001	2.206+001	1.932+001	2.207+001	2.096+001	2.128+001
U 3 46.75 IN. BTU/FT2-SEC-F		2.323+001	2.498+001	2.269+001	2.404+001	2.094+001	2.415+001	2.261+001	2.329+001
U 3 49.5 IN. BTU/FT2-SEC-F		2.308+001	2.542+001	2.260+001	2.416+001	2.103+001	2.428+001	2.272+001	2.312+001
U 3 53.25 IN. BTU/FT2-SEC-F		2.437+001	2.710+001	2.443+001	2.600+001	2.225+001	2.587+001	2.447+001	2.495+001
U 3 57.0 IN. BTU/FT2-SEC-F		2.463+001	2.706+001	2.354+001	2.532+001	2.172+001	2.362+001	2.302+001	2.459+001
U 3 60.25 IN. BTU/FT2-SEC-F		-5.886+002	-5.573+002	-5.563+002	-5.563+002	-5.190+002	-5.321+002	-5.168+002	-5.131+002
U 3 64.125 IN. BTU/FT2-SEC-F		2.595+001	2.877+001	2.493+001	2.681+001	2.261+001	2.466+001	2.491+001	2.575+001
U 3 67.375 IN. BTU/FT2-SEC-F		2.765+001	3.053+001	2.719+001	2.753+001	2.470+001	2.673+001	2.670+001	2.689+001
U 3 71.0 IN. BTU/FT2-SEC-F		2.710+001	3.121+001	2.623+001	2.851+001	2.360+001	2.581+001	2.687+001	2.746+001
U 3 74.125 IN. BTU/FT2-SEC-F		2.690+001	3.079+001	2.632+001	2.855+001	2.334+001	2.518+001	2.616+001	2.879+001
U 3 78.0 IN. BTU/FT2-SEC-F		2.873+001	3.297+001	2.752+001	2.993+001	2.435+001	2.633+001	2.705+001	2.940+001
U 3 81.5 IN. BTU/FT2-SEC-F		2.830+001	3.400+001	2.785+001	2.991+001	2.400+001	2.558+001	2.623+001	2.843+001
U 3 85.0 IN. BTU/FT2-SEC-F		2.941+001	3.450+001	2.818+001	2.985+001	2.395+001	2.553+001	2.582+001	2.674+001
U 3 89.5 IN. BTU/FT2-SEC-F		2.935+001	3.501+001	2.774+001	2.915+001	2.303+001	2.451+001	2.508+001	2.550+001
U 3 91.75 IN. BTU/FT2-SEC-F		3.012+001	3.554+001	2.887+001	2.929+001	2.320+001	2.467+001	2.439+001	2.485+001
U 3 95.0 IN. BTU/FT2-SEC-F		3.234+001	3.814+001	3.162+001	3.054+001	2.353+001	2.796+001	2.697+001	2.481+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 22 SEPTEMBER 3, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK	3 1.125	.000	9.974-002	1.044-001	2.443-001	5.420-001	3.091-001	4.330-001	4.645-001
THK	3 2.5	.000	2.354-002	1.100-001	1.905-001	5.530-001	2.277-001	4.467-001	4.597-001
THK	3 4.125	.000	-1.219-004	1.074-001	1.277-001	5.068-001	2.371-001	4.647-001	4.505-001
THK	3 5.5	.000	-1.077-001	1.965-002	4.007-002	4.910-001	1.330-001	6.530-002	3.372-001
THK	3 7.0	.000	-6.833-001	-9.536-001	-1.993-001	-1.498-001	-5.944-001	-5.569-001	-5.909-001
THK	3 8.5	.000	-3.194-002	4.322-002	1.159-001	2.702-001	-1.008-001	-1.140-001	-3.743-002
THK	3 10.125	.000	-4.237-002	-1.334-001	5.875-003	1.815-001	-2.242-001	-2.679-001	-2.153-001
THK	3 12.625	.000	3.533-002	-1.157-001	-5.590-002	1.307-001	-2.645-001	-3.206-001	-2.711-001
THK	3 15.0	.000	6.895-002	4.322-002	-8.262-002	6.928-002	-1.600-001	-2.134-001	-1.665-001
THK	3 17.125	.000	1.229-001	4.972-002	4.998-002	2.005-001	-9.123-002	-6.221-002	-1.750-002
THK	3 20.0	.000	4.717-002	7.249-002	5.289-002	2.254-001	-1.014-001	-5.986-002	4.260-003
THK	3 22.625	.000	4.907-002	5.398-002	5.419-002	2.252-001	-7.294-002	-4.001-002	4.344-002
THK	3 25.25	.000	-4.010-002	8.272-002	8.289-002	2.606-001	3.680-002	7.869-002	1.376-001
THK	3 28.75	.000	2.797-002	7.119-002	1.110-001	2.341-001	5.724-002	1.152-001	1.730-001
THK	3 32.5	.000	-6.317-002	5.950-002	-3.173-001	2.316-001	-1.065-002	4.927-002	1.076-001
THK	3 36.0	.000	-4.713-002	7.545-002	-2.360-002	2.439-001	-1.795-002	3.999-002	1.193-001
THK	3 39.5	.000	-1.092-001	3.297-002	-6.609-002	2.162-001	-4.300-002	5.447-002	2.613-002
THK	3 43.0	.000	-9.426-002	4.783-002	-3.139-002	2.260-001	-3.215-002	6.413-002	3.504-002
THK	3 46.75	.000	-1.210-001	4.071-002	-5.837-002	1.683-001	-6.590-002	4.712-002	-4.504-003
THK	3 49.5	.000	-1.599-001	2.151-002	-7.756-002	1.686-001	-8.546-002	2.731-002	-2.864-003
THK	3 53.25	.000	-1.651-001	-3.682-003	-1.028-001	1.562-001	-9.524-002	-6.832-003	-3.792-002
THK	3 57.0	.000	-1.463-001	7.449-002	-4.423-002	2.177-001	6.889-002	5.487-002	2.596-003
THK	3 60.25	.000	-1.824-001	-3.935-001	-3.961-001	-9.110-001	-7.222-001	-9.444-001	-1.001+000
THK	3 64.125	.000	-1.509-001	6.937-002	-4.906-002	2.279-001	8.083-002	6.471-002	1.190-002
THK	3 67.375	.000	-1.365-001	2.467-002	4.947-003	1.727-001	5.002-002	5.154-002	4.097-002
THK	3 71.0	.000	-1.942-001	4.621-002	-7.272-002	2.191-001	7.306-002	1.289-002	-1.927-002
THK	3 74.125	.000	-1.933-001	2.733-002	-9.160-002	2.213-001	9.636-002	3.654-002	-1.029-001
THK	3 78.0	.000	-1.791-001	6.119-002	-5.775-002	2.504-001	1.272-001	8.669-002	-3.158-002
THK	3 81.5	.000	-2.373-001	2.276-002	-7.634-002	2.533-001	1.502-001	1.110-001	-6.903-003
THK	3 85.0	.000	-2.007-001	5.932-002	-1.993-002	3.099-001	2.068-001	1.890-001	1.358-001
THK	3 88.5	.000	-2.204-001	7.932-002	6.840-005	3.741-001	2.693-001	2.321-001	2.007-001
THK	3 91.75	.000	-2.025-001	5.745-002	3.772-002	3.907-001	3.071-001	3.127-001	2.816-001
THK	3 95.0	.000	-1.879-001	3.230-002	7.208-002	4.635-001	1.937-001	3.641-001	3.758-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 23 SEPTEMBER 13, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	2.850+002			
THALL	3	1.125	INCHES	DEG F	4.260+002	4.240+002	4.130+002	1.450+002	4.110+002	4.820+002	4.940+002	2.710+002
THALL	3	2.5	INCHES	DEG F	4.890+002	4.860+002	4.690+002	1.730+002	4.620+002	4.490+002	4.500+002	3.180+002
THALL	3	4.125	INCHES	DEG F	4.860+002	4.820+002	4.650+002	1.850+002	4.550+002	4.420+002	4.410+002	3.280+002
THALL	3	5.5	INCHES	DEG F	4.570+002	4.530+002	4.390+002	1.850+002	4.340+002	4.230+002	4.250+002	3.250+002
THALL	3	7.0	INCHES	DEG F	4.350+002	4.320+002	4.210+002	1.810+002	4.190+002	4.100+002	4.140+002	3.160+002
THALL	3	8.5	INCHES	DEG F	4.220+002	4.210+002	4.110+002	1.790+002	4.110+002	4.040+002	4.080+002	3.380+002
THALL	3	10.125	INCHES	DEG F	4.120+002	4.120+002	4.030+002	1.720+002	4.040+002	3.990+002	4.030+002	2.710+002
THALL	3	12.625	INCHES	DEG F	4.100+002	4.100+002	4.010+002	1.590+002	4.040+002	3.990+002	4.050+002	2.910+002
THALL	3	15.0	INCHES	DEG F	4.100+002	4.060+002	4.030+002	1.700+002	4.070+002	4.100+002	4.100+002	3.090+002
THALL	3	17.125	INCHES	DEG F	4.110+002	4.090+002	4.060+002	1.760+002	4.100+002	4.020+002	4.120+002	3.380+002
THALL	3	20.0	INCHES	DEG F	4.200+002	4.180+002	4.150+002	1.780+002	4.200+002	4.150+002	4.220+002	3.570+002
THALL	3	22.625	INCHES	DEG F	4.310+002	4.280+002	4.240+002	1.700+002	4.260+002	4.250+002	4.330+002	3.660+002
THALL	3	25.25	INCHES	DEG F	4.320+002	4.310+002	4.290+002	1.710+002	4.320+002	4.290+002	4.330+002	3.640+002
THALL	3	28.75	INCHES	DEG F	4.370+002	4.390+002	4.370+002	1.910+002	4.410+002	4.380+002	4.470+002	3.890+002
THALL	3	32.5	INCHES	DEG F	4.650+002	4.630+002	4.350+002	2.020+002	4.680+002	4.640+002	4.740+002	3.980+002
THALL	3	36.0	INCHES	DEG F	4.760+002	4.760+002	4.750+002	2.100+002	4.800+002	4.760+002	4.880+002	4.200+002
THALL	3	39.5	INCHES	DEG F	4.930+002	4.920+002	4.930+002	2.140+002	4.980+002	4.940+002	5.080+002	4.290+002
THALL	3	43.0	INCHES	DEG F	5.050+002	5.040+002	5.040+002	2.190+002	5.180+002	5.070+002	5.210+002	4.450+002
THALL	3	46.75	INCHES	DEG F	5.050+002	5.190+002	5.200+002	2.200+002	5.270+002	5.260+002	5.430+002	4.410+002
THALL	3	49.5	INCHES	DEG F	5.430+002	5.440+002	5.470+002	2.240+002	5.580+002	5.590+002	5.800+002	4.490+002
THALL	3	53.25	INCHES	DEG F	5.620+002	5.650+002	5.710+002	2.340+002	5.870+002	5.940+002	6.230+002	4.830+002
THALL	3	57.0	INCHES	DEG F	5.800+002	5.850+002	5.990+002	2.320+002	6.230+002	6.400+002	6.860+002	5.150+002
THALL	3	60.25	INCHES	DEG F	5.970+002	6.050+002	6.200+002	2.230+002	6.560+002	6.830+002	7.450+002	5.530+002
THALL	3	64.125	INCHES	DEG F	6.160+002	6.320+002	6.620+002	2.620+002	6.990+002	7.510+002	8.340+002	5.930+002
THALL	3	67.375	INCHES	DEG F	6.250+002	6.460+002	6.840+002	2.770+002	7.360+002	8.020+002	9.080+002	6.470+002
THALL	3	71.0	INCHES	DEG F	6.430+002	6.690+002	7.160+002	2.860+002	7.800+002	8.620+002	9.730+002	7.040+002
THALL	3	74.125	INCHES	DEG F	6.490+002	6.780+002	7.260+002	2.840+002	7.830+002	8.480+002	9.420+002	6.470+002
THALL	3	78.0	INCHES	DEG F	6.700+002	7.160+002	7.790+002	3.100+002	8.500+002	9.140+002	1.002+003	7.150+002
THALL	3	81.5	INCHES	DEG F	6.920+002	7.610+002	8.490+002	3.400+002	9.520+002	1.020+003	1.109+003	7.660+002
THALL	3	85.0	INCHES	DEG F	7.100+002	8.070+002	9.220+002	3.740+002	1.039+003	1.109+003	1.182+003	8.300+002
THALL	3	88.5	INCHES	DEG F	7.270+002	8.630+002	1.031+003	4.210+002	1.157+003	1.192+003	1.238+003	8.540+002
THALL	3	91.75	INCHES	DEG F	7.500+002	9.300+002	1.120+003	4.600+002	1.221+003	1.236+003	1.277+003	9.090+002
THALL	3	95.0	INCHES	DEG F	7.720+002	8.930+002	9.990+002	4.430+002	1.100+003	1.166+003	1.249+003	9.100+002
FUEL PRES	3	0.0	INCHES PSIG	DEG F	4.677+002	4.726+002	4.743+002	1.185+002	4.679+002	4.665+002	4.676+002	4.676+002
FUEL PRES	3	24.0	INCHES PSIG	DEG F	4.477+002	4.531+002	4.557+002	1.183+002	4.484+002	4.466+002	4.485+002	4.481+002
FUEL PRES	3	48.0	INCHES PSIG	DEG F	4.267+002	4.323+002	4.353+002	1.182+002	4.273+002	4.260+002	4.283+002	4.281+002
FUEL PRES	3	72.0	INCHES PSIG	DEG F	4.103+002	4.153+002	4.179+002	1.180+002	4.085+002	4.069+002	4.090+002	4.086+002
FUEL PRES	3	96.0	INCHES PSIG	DEG F	3.685+002	3.736+002	3.742+002	1.186+002	3.777+002	3.757+002	3.746+002	3.739+002
FUEL INLET TEMP				DEG F	7.800+001	8.100+001	8.403+001	7.500+001	8.900+001	9.200+001	9.700+001	9.900+001
FUEL TEMP	3	24.0	INCHES	DEG F	2.670+002	2.690+002	2.680+002	1.570+002	2.690+002	2.690+002	2.770+002	2.730+002
FUEL TEMP	3	48.0	INCHES	DEG F	4.090+002	4.150+002	4.140+002	2.140+002	4.120+002	4.110+002	4.210+002	4.120+002
FUEL TEMP	3	72.0	INCHES	DEG F	5.410+002	5.490+002	5.490+002	2.770+002	5.490+002	5.530+002	5.720+002	5.640+002
FUEL TEMP	3	96.0	INCHES	DEG F	5.410+002	6.700+002	6.740+002	3.820+002	6.770+002	6.720+002	6.850+002	6.970+002
FLOW PAIF		LR/HR			1.100+002	1.076+002	1.093+002	1.146+001	1.116+002	1.107+002	1.104+002	1.101+002
CURRENT		AMPS			1.397+002	1.393+002	1.363+002	.000	1.372+002	1.356+002	1.346+002	1.346+002
VOLTAGE		VOLTS			7.856+001	7.920+001	7.837+001	1.985+002	7.922+001	7.875+001	7.863+001	7.925+001
POWER		BTH/SEC			1.040+001	1.046+001	1.012+001	.000	1.031+001	1.012+001	1.003+001	1.011+001
FLUX		RHM/SEC-SOFT			5.862+001	5.874+001	5.675+001	.000	5.791+001	5.637+001	5.637+001	5.631+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 23 SEPTEMBER 13, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.600+002	2.250+002	2.700+002	2.850+002
REYNOLDS NUMBER 3 0.0 INCHES	4.398+003	4.384+003	4.378+003	4.585+002	4.464+003	4.429+003	4.417+003	4.402+003
REYNOLDS NUMBER 3 12.0 INCHES	1.041+004	1.036+004	1.035+004	1.085+003	1.057+004	1.048+004	1.046+004	1.042+004
REYNOLDS NUMBER 3 36.0 INCHES	2.390+004	2.382+004	2.374+004	2.491+003	2.425+004	2.406+004	2.400+004	2.392+004
REYNOLDS NUMBER 3 60.0 INCHES	3.781+004	3.769+004	3.757+004	3.942+003	3.838+004	3.808+004	3.798+004	3.785+004
REYNOLDS NUMBER 3 84.0 INCHES	4.660+004	4.645+004	4.631+004	4.858+003	4.730+004	4.693+004	4.680+004	4.664+004
FRICTION FACTOR 3 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR 3 12.0 INCHES	1.325+002	1.305+002	1.247+002	1.423+002	1.257+002	1.299+002	1.254+002	1.288+002
FRICTION FACTOR 3 36.0 INCHES	1.279+002	1.271+002	1.259+002	1.244+002	1.244+002	1.237+002	1.219+002	1.219+002
FRICTION FACTOR 3 60.0 INCHES	9.154+003	9.553+003	9.812+003	9.428+003	1.023+002	1.050+002	1.049+002	1.083+002
FRICTION FACTOR 3 84.0 INCHES	2.207+002	2.223+002	2.349+002	-2.758+002	1.586+002	1.633+002	1.808+002	1.838+002
U 3 1.125 IN. BTU/FT2-SEC-F	1.723+001	1.742+001	1.743+001	.000	1.786+001	1.605+001	1.777+001	3.085+001
U 3 2.5 IN. BTU/FT2-SEC-F	1.493+001	1.513+001	1.531+001	.000	1.509+001	1.619+001	1.600+001	2.578+001
U 3 4.125 IN. BTU/FT2-SEC-F	1.556+001	1.581+001	1.604+001	.000	1.681+001	1.715+001	1.705+001	2.612+001
U 3 5.5 IN. BTU/FT2-SEC-F	1.740+001	1.771+001	1.790+001	.000	1.852+001	1.885+001	1.856+001	2.789+001
U 3 7.0 IN. BTU/FT2-SEC-F	1.935+001	1.965+001	1.975+001	.000	2.026+001	2.054+001	2.007+001	3.073+001
U 3 8.5 IN. BTU/FT2-SEC-F	2.109+001	2.128+001	2.137+001	.000	2.176+001	2.195+001	2.143+001	2.942+001
U 3 10.125 IN. BTU/FT2-SEC-F	2.290+001	2.310+001	2.318+001	.000	2.351+001	2.357+001	2.296+001	5.015+001
U 3 12.625 IN. BTU/FT2-SEC-F	2.512+001	2.526+001	2.543+001	.000	2.556+001	2.566+001	2.477+001	5.002+001
U 3 15.0 IN. BTU/FT2-SEC-F	2.731+001	2.799+001	2.748+001	.000	2.746+001	2.762+001	2.635+001	5.033+001
U 3 17.125 IN. BTU/FT2-SEC-F	2.948+001	2.995+001	2.946+001	.000	2.937+001	2.944+001	2.830+001	4.539+001
U 3 20.0 IN. BTU/FT2-SEC-F	3.166+001	3.219+001	3.167+001	.000	3.139+001	3.168+001	3.022+001	4.676+001
U 3 22.625 IN. BTU/FT2-SEC-F	3.342+001	3.419+001	3.398+001	.000	3.410+001	3.368+001	3.188+001	5.172+001
U 3 25.25 IN. BTU/FT2-SEC-F	3.707+001	3.751+001	3.677+001	.000	3.674+001	3.678+001	3.554+001	6.340+001
U 3 28.75 IN. BTU/FT2-SEC-F	4.117+001	4.082+001	4.007+001	.000	3.969+001	3.980+001	3.711+001	6.050+001
U 3 32.5 IN. BTU/FT2-SEC-F	3.955+001	4.031+001	4.710+001	.000	3.842+001	3.876+001	3.597+001	7.039+001
U 3 36.0 IN. BTU/FT2-SEC-F	4.233+001	4.257+001	4.150+001	.000	4.078+001	4.121+001	3.758+001	6.928+001
U 3 39.5 IN. BTU/FT2-SEC-F	4.350+001	4.407+001	4.234+001	.000	4.157+001	4.203+001	3.776+001	8.082+001
U 3 43.0 IN. BTU/FT2-SEC-F	4.652+001	4.715+001	4.564+001	.000	4.434+001	4.457+001	3.981+001	8.662+001
U 3 46.75 IN. BTU/FT2-SEC-F	5.650+001	5.004+001	4.802+001	.000	4.618+001	4.572+001	3.986+001	1.442+000
U 3 49.5 IN. BTU/FT2-SEC-F	4.646+001	4.634+001	4.392+001	.000	4.114+001	4.012+001	3.463+001	1.789+000
U 3 53.25 IN. BTU/FT2-SEC-F	4.706+001	4.621+001	4.271+001	.000	3.803+001	3.642+001	3.045+001	1.259+000
U 3 57.0 IN. BTU/FT2-SEC-F	4.808+001	4.644+001	4.047+001	.000	3.520+001	3.133+001	2.478+001	1.005+000
U 3 60.25 IN. BTU/FT2-SEC-F	4.843+001	4.567+001	3.851+001	.000	3.224+001	2.752+001	2.098+001	7.414+001
U 3 64.125 IN. BTU/FT2-SEC-F	4.938+001	4.373+001	3.460+001	.000	2.876+001	2.245+001	1.676+001	5.960+001
U 3 67.375 IN. BTU/FT2-SEC-F	5.330+001	4.503+001	3.375+001	.000	2.627+001	1.935+001	1.436+001	4.322+001
U 3 71.0 IN. BTU/FT2-SEC-F	5.434+001	4.400+001	3.150+001	.000	2.368+001	1.742+001	1.288+001	3.371+001
U 3 74.125 IN. BTU/FT2-SEC-F	5.409+001	4.283+001	3.073+001	.000	2.393+001	1.852+001	1.406+001	5.359+001
U 3 78.0 IN. BTU/FT2-SEC-F	4.529+001	3.357+001	2.399+001	.000	1.874+001	1.525+001	1.223+001	3.265+001
U 3 81.5 IN. BTU/FT2-SEC-F	3.669+001	2.670+001	1.844+001	.000	1.409+001	1.107+001	9.924+002	2.525+001
U 3 85.0 IN. BTU/FT2-SEC-F	3.457+001	2.208+001	1.492+001	.000	1.163+001	1.001+001	8.794+002	1.956+001
U 3 87.5 IN. BTU/FT2-SEC-F	3.141+001	1.824+001	1.150+001	.000	9.400+002	8.735+002	6.007+002	1.015+001
U 3 91.75 IN. BTU/FT2-SEC-F	2.795+001	1.510+001	9.019+002	.000	8.516+002	8.182+002	7.658+002	1.544+001
U 3 95.0 IN. BTU/FT2-SEC-F	2.529+001	1.669+001	1.241+001	.000	1.076+001	9.092+002	7.961+002	1.539+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 23 SEPTEMBER 13, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	2.850+002
THK	3 1.125	INCHES	MILS						
THK	3 2.5	INCHES	MILS	-2.753-002	-2.322+000	-0.304-002	-1.055-001	-7.155-002	-1.026+000
THK	3 4.125	INCHES	MILS	-3.589-002	-2.679+000	-1.620-001	-2.082-001	-1.792-001	-1.128+000
THK	3 5.5	INCHES	MILS	-4.131-002	-2.571+000	-1.914-001	-2.393-001	-2.257-001	-1.040+000
THK	3 7.0	INCHES	MILS	-3.981-002	-2.298+000	-1.395-001	-1.764-001	-1.434-001	-0.642-001
THK	3 8.5	INCHES	MILS	-3.174-002	-2.067+000	-9.221-002	-1.194-001	-7.374-002	-7.652-001
THK	3 10.125	INCHES	MILS	-1.719-002	-1.897+000	-5.917-002	-7.485-002	-3.025-002	-5.376-001
THK	3 12.625	INCHES	MILS	-9.525-003	-1.741+000	-3.983-002	-4.394-002	-4.500-004	-9.434-001
THK	3 15.0	INCHES	MILS	-8.712-003	-1.592+000	-2.733-002	-3.392-002	-2.252-002	-7.927-001
THK	3 17.125	INCHES	MILS	-3.525-002	-1.464+000	-7.747-003	-1.631-002	-5.334-002	-6.755-001
THK	3 20.0	INCHES	MILS	-2.104-002	-1.357+000	5.114-003	1.648-003	5.651-002	-4.755-001
THK	3 22.625	INCHES	MILS	-2.053-002	-1.263+000	1.119-002	-7.002-004	6.020-002	-4.078-001
THK	3 25.25	INCHES	MILS	-2.698-002	-1.197+000	-2.393-002	-9.541-003	5.779-002	-4.237-001
THK	3 28.75	INCHES	MILS	-1.271-002	-1.079+000	9.562-003	8.343-003	4.640-002	-4.482-001
THK	3 32.5	INCHES	MILS	-8.304-003	-9.716-001	3.624-002	3.354-002	1.064-001	-3.104-001
THK	3 36.0	INCHES	MILS	-1.915-002	-1.011+000	2.969-002	2.056-002	1.007-001	-4.431-001
THK	3 39.5	INCHES	MILS	-5.170-003	-9.449-001	3.600-002	2.578-002	1.196-001	-3.675-001
THK	3 43.0	INCHES	MILS	-1.184-002	-9.195-001	4.269-002	3.212-002	1.399-001	-4.246-001
THK	3 46.75	INCHES	MILS	-1.151-002	-8.599-001	4.216-002	3.753-002	1.449-001	-3.981-001
THK	3 49.5	INCHES	MILS	9.146-002	-7.080-001	1.582-001	1.670-001	2.954-001	-4.306-001
THK	3 53.25	INCHES	MILS	2.099-003	-8.610-001	1.112-001	1.360-001	2.939-001	-6.375-001
THK	3 57.0	INCHES	MILS	1.578-002	-8.499-001	1.802-001	2.483-001	4.638-001	-5.322-001
THK	3 60.25	INCHES	MILS	2.950-002	-8.319-001	3.044-001	4.447-001	7.825-001	-4.341-001
THK	3 64.125	INCHES	MILS	4.996-002	-8.259-001	4.149-001	6.274-001	1.080+000	-2.864-001
THK	3 67.375	INCHES	MILS	1.045-001	-8.101-001	5.805-001	9.717-001	1.577+000	-1.390-001
THK	3 71.0	INCHES	MILS	1.389-001	-7.493-001	7.734-001	1.265+000	2.036+000	1.762-001
THK	3 74.125	INCHES	MILS	1.730-001	-7.361-001	9.529-001	1.561+000	2.369+000	4.504-001
THK	3 78.0	INCHES	MILS	3.084-001	-5.339-001	9.322-001	1.420+000	2.106+000	6.899-003
THK	3 81.5	INCHES	MILS	4.642-001	-6.833-001	1.251+000	1.740+000	2.388+000	3.419-001
THK	3 85.0	INCHES	MILS	6.542-001	-1.034+000	1.805+000	2.335+000	2.997+000	5.504-001
THK	3 88.5	INCHES	MILS	9.191-001	-1.157+000	2.283+000	2.838+000	3.392+000	8.778-001
THK	3 91.75	INCHES	MILS	1.218+000	-1.274+000	2.982+000	3.306+000	3.673+000	9.304-001
THK	3 95.0	INCHES	MILS	8.153-001	-1.431+000	3.266+000	3.458+000	3.792+000	1.160+000
					-1.582+000	2.280+000	2.815+000	3.443+000	1.017+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 24 SEPTEMBER 16, 1962

TIME MIN	.000	1.000+001	2.000+001	3.000+001	4.000+001	5.000+001	6.000+001
THALL 3 1.125 INCHES DEG F	4.840+002	4.820+002	4.680+002	4.480+002	4.530+002	4.540+002	4.490+002
THALL 3 2.5 INCHES DEG F	5.780+002	5.640+002	5.540+002	5.310+002	5.350+002	5.370+002	5.340+002
THALL 3 4.125 INCHES DEG F	6.480+002	6.420+002	6.300+002	6.190+002	6.270+002	6.330+002	6.330+002
THALL 3 5.5 INCHES DEG F	6.870+002	6.910+002	6.970+002	7.060+002	7.400+002	7.690+002	7.860+002
THALL 3 7.0 INCHES DEG F	6.840+002	6.780+002	6.850+002	6.890+002	7.200+002	7.440+002	7.590+002
THALL 3 8.5 INCHES DEG F	6.640+002	6.460+002	6.350+002	6.120+002	6.230+002	6.230+002	6.170+002
THALL 3 10.125 INCHES DEG F	6.270+002	5.980+002	5.810+002	5.470+002	5.500+002	5.470+002	5.380+002
THALL 3 12.625 INCHES DEG F	5.630+002	5.350+002	5.180+002	4.800+002	4.830+002	4.840+002	4.770+002
THALL 3 15.0 INCHES DEG F	5.090+002	5.000+002	4.830+002	4.570+002	4.600+002	4.630+002	4.570+002
THALL 3 17.125 INCHES DEG F	4.820+002	4.830+002	4.690+002	4.560+002	4.600+002	4.630+002	4.560+002
THALL 3 20.0 INCHES DEG F	4.660+002	4.720+002	4.620+002	4.520+002	4.560+002	4.610+002	4.520+002
THALL 3 22.625 INCHES DEG F	4.630+002	4.730+002	4.630+002	4.500+002	4.630+002	4.670+002	4.580+002
THALL 3 25.25 INCHES DEG F	4.620+002	4.720+002	4.640+002	4.620+002	4.660+002	4.710+002	4.630+002
THALL 3 28.75 INCHES DEG F	4.570+002	4.660+002	4.610+002	4.610+002	4.660+002	4.690+002	4.660+002
THALL 3 32.5 INCHES DEG F	4.930+002	5.030+002	4.610+002	4.950+002	4.990+002	5.030+002	4.950+002
THALL 3 36.0 INCHES DEG F	5.060+002	5.180+002	5.100+002	5.090+002	5.140+002	5.170+002	5.080+002
THALL 3 39.5 INCHES DEG F	5.230+002	5.370+002	5.200+002	5.280+002	5.310+002	5.360+002	5.280+002
THALL 3 43.0 INCHES DEG F	5.350+002	5.500+002	5.410+002	5.410+002	5.470+002	5.510+002	5.420+002
THALL 3 46.75 INCHES DEG F	5.590+002	5.720+002	5.630+002	5.640+002	5.690+002	5.720+002	5.640+002
THALL 3 49.5 INCHES DEG F	5.580+002	5.720+002	5.640+002	5.650+002	5.710+002	5.740+002	5.660+002
THALL 3 53.25 INCHES DEG F	5.780+002	5.920+002	5.850+002	5.840+002	5.850+002	5.940+002	5.870+002
THALL 3 57.0 INCHES DEG F	5.950+002	6.110+002	6.030+002	6.040+002	6.070+002	6.160+002	6.090+002
THALL 3 60.25 INCHES DEG F	6.120+002	6.290+002	6.220+002	6.240+002	6.270+002	6.390+002	6.310+002
THALL 3 64.125 INCHES DEG F	6.270+002	6.360+002	6.400+002	6.430+002	6.470+002	6.590+002	6.580+002
THALL 3 67.375 INCHES DEG F	6.390+002	6.500+002	6.550+002	6.590+002	6.640+002	6.800+002	6.780+002
THALL 3 71.0 INCHES DEG F	6.520+002	6.670+002	6.750+002	6.830+002	6.930+002	7.060+002	7.130+002
THALL 3 74.125 INCHES DEG F	6.800+002	7.060+002	7.250+002	7.460+002	7.650+002	7.850+002	7.990+002
THALL 3 78.0 INCHES DEG F	7.060+002	7.480+002	7.820+002	8.150+002	8.420+002	8.710+002	8.940+002
THALL 3 81.5 INCHES DEG F	7.240+002	7.740+002	8.140+002	8.540+002	8.910+002	9.340+002	9.630+002
THALL 3 85.0 INCHES DEG F	7.380+002	7.620+002	7.900+002	7.950+002	8.030+002	8.240+002	8.350+002
THALL 3 88.5 INCHES DEG F	7.580+002	7.810+002	7.960+002	8.100+002	8.170+002	8.360+002	8.450+002
THALL 3 91.75 INCHES DEG F	7.520+002	7.830+002	8.010+002	8.200+002	8.340+002	8.600+002	8.690+002
THALL 3 95.0 INCHES DEG F	7.850+002	8.240+002	8.500+002	8.780+002	9.040+002	9.390+002	9.600+002
FUEL PRES 3 0.0 INCHES PSIG	4.123+002	4.128+002	4.133+002	4.144+002	4.168+002	4.181+002	4.186+002
FUEL PRES 3 24.0 INCHES PSIG	4.074+002	4.078+002	4.085+002	4.096+002	4.112+002	4.133+002	4.134+002
FUEL PRES 3 48.0 INCHES PSIG	4.026+002	4.029+002	4.038+002	4.049+002	4.065+002	4.087+002	4.088+002
FUEL PRES 3 72.0 INCHES PSIG	3.978+002	3.981+002	3.962+002	4.002+002	4.017+002	4.040+002	4.041+002
FUEL PRES 3 96.0 INCHES PSIG	3.865+002	3.877+002	3.883+002	3.891+002	3.911+002	3.923+002	3.932+002
FUEL INLET TEMP	8.103+001	8.100+001	8.300+001	8.700+001	8.900+001	9.000+001	9.100+001
FUEL TEMP 3 24.0 INCHES DEG F	3.050+002	3.010+002	3.020+002	3.050+002	3.060+002	3.090+002	3.100+002
FUEL TEMP 3 48.0 INCHES DEG F	4.530+002	4.470+002	4.470+002	4.510+002	4.530+002	4.550+002	4.550+002
FUEL TEMP 3 72.0 INCHES DEG F	4.530+002	5.790+002	5.780+002	5.840+002	5.870+002	4.550+002	5.970+002
FUEL TEMP 3 96.0 INCHES DEG F	7.000+002	7.170+002	7.110+002	5.840+002	7.250+002	7.290+002	7.270+002
FUEL RATE LB/HR	6.052+001	5.974+001	5.715+001	5.977+001	6.004+001	6.010+001	5.886+001
CURRENT AMPS	1.061+002	1.074+002	1.054+002	1.058+002	1.070+002	1.066+002	1.062+002
VOLTAGE VOLTS	6.106+001	6.251+001	6.078+001	6.169+001	6.227+001	6.235+001	6.211+001
POWER RTU/SEC	6.141+000	6.365+000	6.074+000	6.166+000	6.315+000	6.382+000	6.254+000
FLUX RTU/SEC-SOFT	3.470+001	3.575+001	3.424+001	3.463+001	3.547+001	3.510+001	3.513+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 24 SEPTEMBER 14, 1982

TIME	MIN	.000	1.000+001	2.000+001	3.000+001	4.000+001	5.000+001	6.000+001
REYNOLDS NUMBER	3 0.0 INCHES	2.506+003	2.476+003	2.449+003	2.483+003	2.486+003	2.492+003	2.438+003
REYNOLDS NUMBER	3 12.0 INCHES	6.830+003	6.546+003	6.480+003	6.571+003	6.578+003	6.594+003	6.449+003
REYNOLDS NUMBER	3 36.0 INCHES	1.517+004	1.497+004	1.482+004	1.503+004	1.505+004	1.508+004	1.475+004
REYNOLDS NUMBER	3 60.0 INCHES	1.945+004	1.920+004	1.901+004	1.927+004	1.930+004	1.934+004	1.892+004
REYNOLDS NUMBER	3 84.0 INCHES	2.897+004	2.860+004	2.832+004	2.871+004	2.875+004	2.881+004	2.818+004
FRICTION FACTOR	3 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR	3 12.0 INCHES	1.056+002	1.113+002	1.104+002	1.065+002	1.237+002	1.034+002	1.175+002
FRICTION FACTOR	3 36.0 INCHES	9.569+003	9.757+003	9.659+003	9.455+003	9.397+003	9.233+003	9.541+003
FRICTION FACTOR	3 60.0 INCHES	8.846+003	9.217+003	1.488+002	8.920+003	8.962+003	8.826+003	9.292+003
FRICTION FACTOR	3 84.0 INCHES	1.916+002	1.814+002	1.392+002	1.908+002	1.826+002	1.997+002	1.953+002
U 3 1.125 IN. BTU/FT2-SEC-F		8.789+002	9.155+002	9.093+002	9.713+002	9.812+002	9.765+002	9.827+002
U 3 2.5 IN. BTU/FT2-SEC-F		7.283+002	7.778+002	7.613+002	8.115+002	8.236+002	8.182+002	8.176+002
U 3 5.5 IN. BTU/FT2-SEC-F		6.527+002	6.843+002	6.706+002	6.932+002	6.909+002	6.854+002	6.841+002
U 3 7.0 IN. BTU/FT2-SEC-F		6.220+002	6.400+002	6.063+002	6.036+002	5.637+002	5.560+002	5.350+002
U 3 10.125 IN. BTU/FT2-SEC-F		6.416+002	6.725+002	6.355+002	6.381+002	6.183+002	5.923+002	5.734+002
U 3 12.625 IN. BTU/FT2-SEC-F		6.849+002	7.361+002	7.212+002	7.666+002	7.667+002	7.651+002	7.693+002
U 3 15.0 IN. BTU/FT2-SEC-F		7.641+002	8.462+002	8.442+002	9.320+002	9.472+002	9.529+002	9.691+002
U 3 17.125 IN. BTU/FT2-SEC-F		9.473+002	1.065+001	1.073+001	1.231+001	1.248+001	1.261+001	1.263+001
U 3 20.0 IN. BTU/FT2-SEC-F		1.198+001	1.281+001	1.307+001	1.467+001	1.484+001	1.463+001	1.489+001
U 3 22.625 IN. BTU/FT2-SEC-F		1.430+001	1.476+001	1.500+001	1.609+001	1.618+001	1.593+001	1.633+001
U 3 25.25 IN. BTU/FT2-SEC-F		2.019+001	1.977+001	2.004+001	2.008+001	2.076+001	2.025+001	2.118+001
U 3 28.75 IN. BTU/FT2-SEC-F		2.311+001	2.244+001	2.263+001	2.319+001	2.314+001	2.236+001	2.337+001
U 3 32.5 IN. BTU/FT2-SEC-F		2.811+001	2.718+001	2.702+001	2.733+001	2.693+001	2.628+001	2.667+001
U 3 36.0 IN. BTU/FT2-SEC-F		2.544+001	2.456+001	3.305+001	2.517+001	2.505+001	2.432+001	2.553+001
U 3 39.5 IN. BTU/FT2-SEC-F		2.716+001	2.578+001	2.613+001	2.664+001	2.627+001	2.565+001	2.723+001
U 3 43.0 IN. BTU/FT2-SEC-F		2.818+001	2.621+001	2.687+001	2.718+001	2.659+001	2.614+001	2.757+001
U 3 46.75 IN. BTU/FT2-SEC-F		3.031+001	2.797+001	2.881+001	2.914+001	2.841+001	2.748+001	2.932+001
U 3 49.5 IN. BTU/FT2-SEC-F		3.034+001	2.822+001	2.908+001	2.917+001	2.867+001	2.794+001	2.959+001
U 3 53.25 IN. BTU/FT2-SEC-F		3.285+001	3.084+001	3.084+001	3.092+001	3.006+001	2.926+001	3.109+001
U 3 57.0 IN. BTU/FT2-SEC-F		2.760+001	2.575+001	2.593+001	2.643+001	2.687+001	2.511+001	2.622+001
U 3 60.25 IN. BTU/FT2-SEC-F		2.429+001	2.263+001	2.282+001	2.293+001	2.303+001	2.172+001	2.252+001
U 3 64.125 IN. BTU/FT2-SEC-F		2.170+001	2.031+001	2.026+001	2.025+001	2.039+001	1.913+001	1.974+001
U 3 67.375 IN. BTU/FT2-SEC-F		1.983+001	1.954+001	1.831+001	1.822+001	1.828+001	1.718+001	1.714+001
U 3 71.0 IN. BTU/FT2-SEC-F		1.855+001	1.855+001	1.695+001	1.681+001	1.681+001	1.559+001	1.561+001
U 3 74.125 IN. BTU/FT2-SEC-F		1.734+001	1.671+001	1.542+001	1.505+001	1.478+001	1.399+001	1.351+001
U 3 78.0 IN. BTU/FT2-SEC-F		1.688+001	1.552+001	1.373+001	1.280+001	1.226+001	1.140+001	1.086+001
U 3 81.5 IN. BTU/FT2-SEC-F		1.823+001	1.546+001	1.291+001	1.161+001	1.071+001	9.933+002	9.312+002
U 3 85.0 IN. BTU/FT2-SEC-F		2.029+001	2.092+001	1.316+001	1.154+001	1.052+001	9.314+002	8.588+002
U 3 88.5 IN. BTU/FT2-SEC-F		2.349+001	2.029+001	1.812+001	1.698+001	1.674+001	1.520+001	1.440+001
U 3 91.75 IN. BTU/FT2-SEC-F		2.660+001	2.342+001	2.042+001	1.906+001	1.880+001	1.704+001	1.621+001
U 3 95.0 IN. BTU/FT2-SEC-F		3.869+001	2.975+001	2.478+001	2.203+001	2.072+001	1.795+001	1.704+001
		3.937+001	2.823+001	2.243+001	1.917+001	1.717+001	1.445+001	1.330+001

NAVY FUEL DEPOSIT TEST PROGRAM
 RUN 24 SEPTEMBER 14, 1992

TABLE 3

TIME	MIN	.000	1.000+001	2.000+001	3.000+001	4.000+001	5.000+001	6.000+001			
THK	3	1.125	INCHES	MILS	.000	-1.821-001	-1.519-001	-4.327-001	-4.745-001	-4.549-001	-4.804-001
THK	3	2.5	INCHES	MILS	.000	-3.494-001	-2.381-001	-5.633-001	-6.356-001	-6.032-001	-5.999-001
THK	3	4.125	INCHES	MILS	.000	-2.822-001	-1.631-001	-3.577-001	-4.050-001	-3.256-001	-2.811-001
THK	3	5.5	INCHES	MILS	.000	-1.809-001	1.664-001	1.957-001	4.212-001	7.628-001	1.034+000
THK	3	7.0	INCHES	MILS	.000	-2.859-001	5.976-002	3.469-002	2.349-001	5.192-001	7.417-001
THK	3	8.5	INCHES	MILS	.000	-4.063-001	-2.938-001	-6.223-001	-6.226-001	-6.120-001	-6.403-001
THK	3	10.125	INCHES	MILS	.000	-5.082-001	-4.971-001	-9.435-001	-1.012+000	-1.037+000	-1.108+000
THK	3	12.625	INCHES	MILS	.000	-4.615-001	-4.932-001	-9.745-001	-1.018+000	-1.000+000	-1.055+000
THK	3	15.0	INCHES	MILS	.000	-2.179-001	-2.780-001	-6.131-001	-6.442-001	-6.048-001	-6.522-001
THK	3	17.125	INCHES	MILS	.000	-8.694-002	-1.303-001	-3.107-001	-3.248-001	-2.859-001	-3.464-001
THK	3	20.0	INCHES	MILS	.000	-1.358-002	-2.900-002	-1.702-001	-1.759-001	-1.151-001	-2.008-001
THK	3	22.625	INCHES	MILS	.000	4.237-002	1.528-002	-6.509-002	-5.437-002	-5.252-003	-9.259-002
THK	3	25.25	INCHES	MILS	.000	5.113-002	3.672-002	-6.406-003	-2.403-003	5.761-002	-1.978-002
THK	3	28.75	INCHES	MILS	.000	5.076-002	5.771-002	4.074-002	6.244-002	9.936-002	7.668-002
THK	3	32.5	INCHES	MILS	.000	5.671-002	-3.618-001	1.729-002	2.451-002	7.296-002	-5.528-003
THK	3	36.0	INCHES	MILS	.000	8.258-002	5.809-002	2.921-002	4.980-002	8.679-002	-3.736-003
THK	3	39.5	INCHES	MILS	.000	1.068-001	6.937-002	5.251-002	8.509-002	1.107-001	3.138-003
THK	3	43.0	INCHES	MILS	.000	1.103-001	6.868-002	5.288-002	8.782-002	1.359-001	4.456-002
THK	3	46.75	INCHES	MILS	.000	9.918-002	5.691-002	5.288-002	7.658-002	1.133-001	3.320-002
THK	3	49.5	INCHES	MILS	.000	1.139-001	7.950-002	7.636-002	1.132-001	1.493-001	6.917-002
THK	3	53.25	INCHES	MILS	.000	1.058-001	9.297-002	6.395-002	3.916-002	1.439-001	7.639-002
THK	3	57.0	INCHES	MILS	.000	1.212-001	1.062-001	9.788-002	9.013-002	1.954-001	1.298-001
THK	3	60.25	INCHES	MILS	.000	1.255-001	1.311-001	1.318-001	1.186-001	2.468-001	1.832-001
THK	3	64.125	INCHES	MILS	.000	2.989-002	1.675-001	1.774-001	1.702-001	3.102-001	3.167-001
THK	3	67.375	INCHES	MILS	.000	4.738-002	2.036-001	2.231-001	2.827-001	4.084-001	4.052-001
THK	3	71.0	INCHES	MILS	.000	8.685-002	2.865-001	3.496-001	3.990-001	5.514-001	6.530-001
THK	3	74.125	INCHES	MILS	.000	2.077-001	5.441-001	7.537-001	8.935-001	1.137+000	1.312+000
THK	3	78.0	INCHES	MILS	.000	3.929-001	9.049-001	1.251+000	1.473+000	1.809+000	2.101+000
THK	3	81.5	INCHES	MILS	.000	4.902-001	1.067+000	1.494+000	1.829+000	2.323+000	2.686+000
THK	3	85.0	INCHES	MILS	.000	2.088-001	5.039-001	6.522-001	6.063-001	9.284-001	1.074+000
THK	3	88.5	INCHES	MILS	.000	2.046-001	4.556-001	5.951-001	6.241-001	8.431-001	9.635-001
THK	3	91.75	INCHES	MILS	.000	3.106-001	5.805-001	7.817-001	8.963-001	1.194+000	1.314+000
THK	3	95.0	INCHES	MILS	.000	4.007-001	7.673-001	1.071+000	1.314+000	1.714+000	1.974+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 25 SEPTEMBER 16, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THALL @ 1.125 INCHES	DEG F	0.150+002	9.670+002	1.026+003	1.024+003	1.013+003	1.061+003	1.064+003
THALL @ 2.5 INCHES	DEG F	0.610+002	9.410+002	9.970+002	1.002+003	1.032+003	1.106+003	1.135+003
THALL @ 4.125 INCHES	DEG F	7.980+002	9.150+002	9.610+002	9.950+002	1.003+003	1.047+003	1.048+003
THALL @ 5.5 INCHES	DEG F	6.900+002	7.080+002	7.690+002	8.440+002	8.700+002	9.320+002	9.370+002
THALL @ 7.0 INCHES	DEG F	6.500+002	6.240+002	6.300+002	6.670+002	6.790+002	6.730+002	6.670+002
THALL @ 8.5 INCHES	DEG F	6.080+002	5.950+002	5.920+002	5.990+002	5.910+002	5.650+002	5.620+002
THALL @ 10.000 INCHES	DEG F	5.950+002	5.900+002	5.800+002	5.830+002	5.710+002	5.590+002	5.590+002
THALL @ 11.500 INCHES	DEG F	5.850+002	5.800+002	5.730+002	5.730+002	5.640+002	5.660+002	5.540+002
THALL @ 13.0 INCHES	DEG F	5.670+002	5.610+002	5.570+002	5.550+002	5.470+002	5.510+002	5.390+002
THALL @ 14.500 INCHES	DEG F	5.150+002	5.130+002	5.070+002	5.070+002	5.050+002	5.070+002	4.990+002
THALL @ 15.500 INCHES	DEG F	5.500+002	5.450+002	5.400+002	5.370+002	5.400+002	5.460+002	5.350+002
THALL @ 17.5 INCHES	DEG F	5.640+002	5.590+002	5.530+002	5.510+002	5.560+002	5.620+002	5.530+002
THALL @ 19.500 INCHES	DEG F	5.720+002	5.680+002	5.630+002	5.610+002	5.650+002	5.790+002	5.760+002
THALL @ 21.50 INCHES	DEG F	5.810+002	5.830+002	5.790+002	5.780+002	5.920+002	6.070+002	6.040+002
THALL @ 23.50 INCHES	DEG F	5.900+002	5.920+002	5.910+002	5.920+002	6.130+002	6.370+002	6.400+002
THALL @ 25.5 INCHES	DEG F	5.970+002	6.030+002	6.050+002	6.120+002	6.630+002	6.860+002	6.920+002
THALL @ 27.5 INCHES	DEG F	5.970+002	6.030+002	6.050+002	6.120+002	6.630+002	6.860+002	6.920+002
THALL @ 29.5 INCHES	DEG F	6.190+002	6.270+002	6.340+002	6.500+002	6.890+002	7.530+002	7.600+002
THALL @ 31.0 INCHES	DEG F	6.200+002	6.270+002	6.400+002	6.610+002	7.030+002	7.690+002	7.810+002
THALL @ 34.00 INCHES	DEG F	6.300+002	6.370+002	6.550+002	6.810+002	7.290+002	7.950+002	8.110+002
THALL @ 36.0 INCHES	DEG F	6.440+002	6.620+002	6.950+002	7.330+002	7.760+002	8.420+002	8.560+002
THALL @ 38.00 INCHES	DEG F	6.620+002	6.890+002	7.390+002	7.780+002	8.260+002	9.010+002	9.050+002
THALL @ 40.0 INCHES	DEG F	6.810+002	7.210+002	7.850+002	8.360+002	9.070+002	9.980+002	9.750+002
THALL @ 42.00 INCHES	DEG F	6.970+002	7.590+002	8.350+002	9.160+002	9.980+002	1.091+003	1.058+003
THALL @ 44.000 INCHES	DEG F	7.120+002	7.970+002	8.860+002	9.970+002	1.078+003	1.157+003	1.110+003
THALL @ 46.000 INCHES	DEG F	7.290+002	8.390+002	9.310+002	1.057+003	1.155+003	1.201+003	1.151+003
THALL @ 47.5 INCHES	DEG F	7.450+002	8.680+002	9.560+002	1.051+003	1.190+003	1.224+003	1.154+003
FUEL PRES @ 0.0 INCHES PSIG	DEG F	3.953+002	3.986+002	4.045+002	4.078+002	4.080+002	4.105+002	4.112+002
FUEL PRES @ 16.0 INCHES PSIG	DEG F	3.903+002	3.938+002	4.003+002	4.036+002	4.039+002	4.059+002	4.064+002
FUEL PRES @ 32.0 INCHES PSIG	DEG F	3.869+002	3.906+002	3.971+002	4.004+002	4.007+002	4.026+002	4.030+002
FUEL PRES @ 48.0 INCHES PSIG	DEG F	3.765+002	3.794+002	3.834+002	3.856+002	3.847+002	3.844+002	3.845+002
FUEL INLET TEMP	DEG F	7.500+001	8.100+001	8.500+001	8.900+001	9.400+001	1.000+002	1.010+002
FUEL TEMP @ 16.0 INCHES DEG F	DEG F	3.040+002	3.030+002	3.050+002	3.010+002	3.070+002	3.090+002	3.120+002
FUEL TEMP @ 32.0 INCHES DEG F	DEG F	4.580+002	4.490+002	4.500+002	4.390+002	4.500+002	4.510+002	4.560+002
FUEL TEMP @ 48.0 INCHES DEG F	DEG F	5.800+002	5.750+002	5.770+002	5.720+002	5.810+002	5.880+002	5.630+002
FLOW RATE LB/HR	DEG F	6.093+001	5.965+001	5.937+001	5.920+002	6.066+001	6.043+001	6.115+001
CURRENT AMPS	DEG F	1.361+002	1.336+002	1.345+002	1.290+002	1.280+002	1.265+002	1.212+002
VOLTAGE VOLTS	DEG F	3.806+001	3.743+001	3.004+001	3.729+001	3.683+001	3.705+001	3.525+001
FCUFR BTU/SEC	DEG F	4.910+000	4.739+000	4.852+000	4.561+000	4.469+000	4.447+000	4.051+000
FLUX BTU/SEC-SOFT	DEG F	5.516+001	5.324+001	5.451+001	5.124+001	5.020+001	4.878+001	4.551+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 25 SEPTEMBER 16, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER @ 0.0 INCHES	2.356+003	2.307+003	2.296+003	2.319+003	2.310+003	2.346+003	2.337+003	2.365+003
REYNOLDS NUMBER @ 0.0 INCHES	6.501+003	6.364+003	6.335+003	6.399+003	6.373+003	6.472+003	6.448+003	6.525+003
REYNOLDS NUMBER @ 24.0 INCHES	1.538+004	1.505+004	1.493+004	1.514+004	1.507+004	1.531+004	1.525+004	1.543+004
REYNOLDS NUMBER @ 40.0 INCHES	2.408+004	2.358+004	2.347+004	2.370+004	2.361+004	2.398+004	2.389+004	2.417+004
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 0.0 INCHES	1.581-002	1.592-002	1.393-002	1.383-002	1.376-002	1.560-002	1.496-002	1.528-002
FRICTION FACTOR @ 24.0 INCHES	9.930-003	9.849-003	9.929-003	9.769-003	9.709-003	9.752-003	9.886-003	9.710-003
FRICTION FACTOR @ 40.0 INCHES	2.745-002	3.066-002	3.805-002	4.010-002	4.401-002	4.437-002	4.883-002	4.854-002
U @ 1.125 IN. BTU/FT2-SEC-F	7.620-002	6.078-002	5.830-002	5.492-002	5.236-002	5.292-002	5.151-002	4.677-002
U @ 2.5 IN. BTU/FT2-SEC-F	7.352-002	6.412-002	6.150-002	5.749-002	5.468-002	5.296-002	5.020-002	4.443-002
U @ 4.125 IN. BTU/FT2-SEC-F	8.390-002	6.817-002	6.591-002	5.951-002	5.804-002	5.614-002	5.472-002	4.979-002
U @ 5.5 IN. BTU/FT2-SEC-F	1.029-001	9.604-002	8.859-002	7.422-002	7.009-002	6.635-002	6.419-002	5.810-002
U @ 7.0 IN. BTU/FT2-SEC-F	1.162-001	1.186-001	1.138-001	1.038-001	9.809-002	9.683-002	1.004-001	9.253-002
U @ 8.5 IN. BTU/FT2-SEC-F	1.341-001	1.336-001	1.379-001	1.273-001	1.273-001	1.293-001	1.356-001	1.246-001
U @ 10.000 IN. BTU/FT2-SEC-F	1.464-001	1.432-001	1.506-001	1.404-001	1.346-001	1.382-001	1.466-001	1.335-001
U @ 11.500 IN. BTU/FT2-SEC-F	1.597-001	1.564-001	1.635-001	1.537-001	1.529-001	1.504-001	1.530-001	1.447-001
U @ 13.0 IN. BTU/FT2-SEC-F	1.803-001	1.775-001	1.842-001	1.743-001	1.726-001	1.706-001	1.723-001	1.637-001
U @ 14.500 IN. BTU/FT2-SEC-F	2.373-001	2.310-001	2.428-001	2.283-001	2.257-001	2.203-001	2.226-001	2.102-001
U @ 17.5 IN. BTU/FT2-SEC-F	2.382-001	2.350-001	2.460-001	2.344-001	2.297-001	2.202-001	2.195-001	2.101-001
U @ 19.500 IN. BTU/FT2-SEC-F	2.437-001	2.405-001	2.531-001	2.402-001	2.332-001	2.235-001	2.227-001	2.113-001
U @ 21.50 IN. BTU/FT2-SEC-F	2.565-001	2.522-001	2.645-001	2.511-001	2.413-001	2.279-001	2.250-001	2.077-001
U @ 23.50 IN. BTU/FT2-SEC-F	2.693-001	2.574-001	2.688-001	2.539-001	2.305-001	2.260-001	2.164-001	1.998-001
U @ 25.5 IN. BTU/FT2-SEC-F	2.835-001	2.708-001	2.787-001	2.607-001	2.329-001	2.242-001	2.068-001	1.861-001
U @ 27.5 IN. BTU/FT2-SEC-F	2.993-001	2.827-001	2.864-001	2.597-001	2.238-001	1.965-001	1.841-001	1.641-001
U @ 29.5 IN. BTU/FT2-SEC-F	2.981-001	2.757-001	2.744-001	2.410-001	1.972-001	1.667-001	1.566-001	1.396-001
U @ 31.0 IN. BTU/FT2-SEC-F	3.214-001	2.980-001	2.844-001	2.410-001	1.972-001	1.667-001	1.566-001	1.368-001
U @ 34.00 IN. BTU/FT2-SEC-F	3.519-001	3.251-001	2.999-001	2.466-001	1.963-001	1.638-001	1.553-001	1.347-001
U @ 36.0 IN. BTU/FT2-SEC-F	3.547-001	3.068-001	2.640-001	2.096-001	1.746-001	1.499-001	1.413-001	1.238-001
U @ 38.00 IN. BTU/FT2-SEC-F	3.486-001	2.874-001	2.317-001	1.868-001	1.558-001	1.328-001	1.258-001	1.134-001
U @ 40.0 IN. BTU/FT2-SEC-F	3.405-001	2.635-001	2.049-001	1.616-001	1.294-001	1.091-001	1.043-001	9.979-002
U @ 42.00 IN. BTU/FT2-SEC-F	3.389-001	2.369-001	1.812-001	1.342-001	1.083-001	9.226-002	8.973-002	8.688-002
U @ 44.000 IN. BTU/FT2-SEC-F	3.394-001	2.151-001	1.620-001	1.140-001	9.499-002	8.165-002	8.223-002	8.119-002
U @ 46.000 IN. BTU/FT2-SEC-F	3.358-001	1.941-001	1.498-001	1.041-001	8.506-002	7.620-002	7.852-002	7.762-002
U @ 47.5 IN. BTU/FT2-SEC-F	3.267-001	1.824-001	1.435-001	1.079-001	8.179-002	7.531-002	7.869-002	7.876-002

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 25 SEPTEMBER 16, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK	3 1.125	INCHES	MILS	1.611+000	2.034+000	2.390+000	2.309+000	2.516+000	3.302+000
THK	3 2.5	INCHES	MILS	7.976-001	1.063+000	1.875+000	2.113+000	2.528+000	3.563+000
THK	3 4.125	INCHES	MILS	1.053+000	1.254+000	2.077+000	2.310+000	2.495+000	3.219+000
THK	3 5.5	INCHES	MILS	2.757-001	6.263+001	1.818+000	2.140+000	2.363+000	2.996+000
THK	3 7.0	INCHES	MILS	-7.098-002	-7.619-002	4.120-001	6.877-001	5.428-001	8.798-001
THK	3 8.5	INCHES	MILS	1.007-002	-8.170-002	1.582-001	1.110-001	-3.363-002	2.284-001
THK	3 10.000	INCHES	MILS	6.115-002	-7.736-002	1.156-001	1.603-001	-3.617-003	2.633-001
THK	3 11.500	INCHES	MILS	5.291-002	-5.807-002	9.812-002	1.117-001	1.551-001	2.588-001
THK	3 13.0	INCHES	MILS	3.506-002	-4.682-002	7.620-002	9.941-002	1.029-001	2.245-001
THK	3 14.500	INCHES	MILS	4.587-002	-3.852-002	6.663-002	8.667-002	1.115-001	2.170-001
THK	3 17.5	INCHES	MILS	2.309-002	-5.328-002	2.710-002	1.374-001	1.429-001	2.244-001
THK	3 19.500	INCHES	MILS	2.171-002	-6.109-002	2.418-002	1.489-001	1.549-001	2.514-001
THK	3 21.50	INCHES	MILS	2.628-002	-4.737-002	3.355-002	1.956-001	2.185-001	3.660-001
THK	3 23.50	INCHES	MILS	6.868-002	3.106-003	9.031-002	2.843-001	3.629-001	5.172-001
THK	3 25.5	INCHES	MILS	6.599-002	2.423-002	1.237-001	3.730-001	5.233-001	7.388-001
THK	3 27.5	INCHES	MILS	7.833-002	6.003-002	2.038-001	6.994-001	8.358-001	1.101+000
THK	3 29.5	INCHES	MILS	1.086-001	1.261-001	3.448-001	1.036+000	1.213+000	1.524+000
THK	3 31.0	INCHES	MILS	9.755-002	1.617-001	4.154-001	1.155+000	1.323+000	1.679+000
THK	3 34.00	INCHES	MILS	9.366-002	1.971-001	4.852-001	1.305+000	1.440+000	1.832+000
THK	3 36.0	INCHES	MILS	1.760-001	3.878-001	1.163+000	1.541+000	1.703+000	2.103+000
THK	3 38.00	INCHES	MILS	2.443-001	5.788-001	9.935-001	1.864+000	2.033+000	2.379+000
THK	3 40.0	INCHES	MILS	3.430-001	7.773-001	1.300+000	2.490+000	2.661+000	2.833+000
THK	3 42.00	INCHES	MILS	5.085-001	1.027+000	2.515+000	3.155+000	3.278+000	3.424+000
THK	3 44.000	INCHES	MILS	6.812-001	1.291+000	3.032+000	3.721+000	3.686+000	3.748+000
THK	3 46.000	INCHES	MILS	8.695-001	1.497+000	3.512+000	4.059+000	3.903+000	3.962+000
THK	3 47.5	INCHES	MILS	9.684-001	1.563+000	3.666+000	4.037+000	3.859+000	3.855+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 26 SEPTEMBER 29, 1982

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THALL A 1.125 INCHES	3.790+002	3.770+002	3.750+002	3.810+002	3.750+002	3.740+002	3.660+002	3.800+002
THALL A 2.5 INCHES	4.590+002	4.570+002	4.550+002	4.600+002	4.570+002	4.390+002	4.420+002	4.580+002
THALL A 4.125 INCHES	5.290+002	5.220+002	5.220+002	5.420+002	5.010+002	4.880+002	4.890+002	5.070+002
THALL A 5.5 INCHES	5.300+002	5.270+002	5.270+002	5.480+002	4.910+002	4.760+002	4.770+002	4.940+002
THALL A 7.0 INCHES	5.080+002	4.950+002	4.910+002	5.130+002	4.560+002	4.450+002	4.460+002	4.620+002
THALL A 8.5 INCHES	4.610+002	4.550+002	4.520+002	4.690+002	4.310+002	4.250+002	4.270+002	4.400+002
THALL A 10.125 INCHES	4.280+002	4.260+002	4.230+002	4.420+002	4.140+002	4.070+002	4.130+002	4.240+002
THALL A 12.625 INCHES	3.970+002	4.010+002	4.010+002	4.420+002	3.990+002	3.950+002	3.970+002	4.060+002
THALL A 15.0 INCHES	4.090+002	4.110+002	4.070+002	4.250+002	4.040+002	3.970+002	4.050+002	4.170+002
THALL A 17.125 INCHES	4.160+002	4.180+002	4.130+002	4.320+002	4.110+002	4.050+002	4.120+002	4.240+002
THALL A 20.0 INCHES	4.290+002	4.290+002	4.250+002	4.440+002	4.240+002	4.170+002	4.250+002	4.370+002
THALL A 22.625 INCHES	4.350+002	4.350+002	4.310+002	4.490+002	4.290+002	4.230+002	4.300+002	4.430+002
THALL A 25.25 INCHES	4.310+002	4.320+002	4.290+002	4.450+002	4.250+002	4.240+002	4.290+002	4.410+002
THALL A 28.75 INCHES	4.430+002	4.480+002	4.410+002	4.580+002	4.400+002	4.310+002	4.390+002	4.520+002
THALL A 32.5 INCHES	4.720+002	4.770+002	4.690+002	4.870+002	4.680+002	4.600+002	4.660+002	4.810+002
THALL A 36.0 INCHES	4.820+002	4.880+002	4.790+002	4.930+002	4.780+002	4.710+002	4.770+002	4.920+002
THALL A 39.5 INCHES	5.030+002	5.080+002	4.990+002	5.150+002	4.980+002	4.900+002	4.970+002	5.130+002
THALL A 43.0 INCHES	5.220+002	5.270+002	5.190+002	5.330+002	5.180+002	5.090+002	5.160+002	5.330+002
THALL A 46.75 INCHES	5.440+002	5.500+002	5.400+002	5.550+002	5.380+002	5.290+002	5.360+002	5.540+002
THALL A 53.25 INCHES	5.740+002	5.800+002	5.710+002	5.870+002	5.700+002	5.610+002	5.680+002	5.850+002
THALL A 57.0 INCHES	5.940+002	6.010+002	5.900+002	6.070+002	5.900+002	5.810+002	5.900+002	6.050+002
THALL A 60.25 INCHES	6.050+002	6.120+002	6.030+002	6.210+002	6.030+002	5.940+002	6.020+002	6.180+002
THALL A 64.125 INCHES	6.330+002	6.430+002	6.340+002	6.440+002	6.280+002	6.200+002	6.270+002	6.420+002
THALL A 67.375 INCHES	6.400+002	6.520+002	6.440+002	6.560+002	6.390+002	6.310+002	6.380+002	6.550+002
THALL A 71.0 INCHES	6.620+002	6.750+002	6.660+002	6.790+002	6.570+002	6.520+002	6.590+002	6.760+002
THALL A 74.125 INCHES	6.690+002	6.810+002	6.730+002	6.750+002	6.550+002	6.610+002	6.690+002	6.880+002
THALL A 78.0 INCHES	6.970+002	7.120+002	7.090+002	7.180+002	6.850+002	7.160+002	7.320+002	7.590+002
THALL A 81.5 INCHES	7.160+002	7.360+002	7.430+002	7.660+002	7.790+002	7.960+002	8.330+002	8.760+002
THALL A 85.0 INCHES	7.280+002	7.710+002	7.970+002	8.430+002	7.780+002	9.130+002	9.740+002	1.027+003
THALL A 88.5 INCHES	7.360+002	7.910+002	8.330+002	9.000+002	9.550+002	1.005+003	1.079+003	1.137+003
THALL A 91.75 INCHES	7.500+002	8.250+002	8.820+002	9.650+002	1.030+003	1.089+003	1.167+003	1.229+003
THALL A 95.0 INCHES	7.710+002	8.470+002	9.150+002	1.012+003	1.080+003	1.139+003	1.216+003	1.270+003
FUEL PRES A 0.0 INCHES PSIG	4.245+002	4.290+002	4.346+002	4.385+002	4.322+002	4.362+002	4.326+002	4.354+002
FUEL PRES A 24.0 INCHES PSIG	4.200+002	4.253+002	4.302+002	4.340+002	4.274+002	4.315+002	4.274+002	4.307+002
FUEL PRES A 48.0 INCHES PSIG	4.151+002	4.205+002	4.255+002	4.295+002	4.225+002	4.268+002	4.228+002	4.261+002
FUEL PRES A 72.0 INCHES PSIG	4.114+002	4.170+002	4.223+002	4.264+002	4.190+002	4.233+002	4.194+002	4.226+002
FUEL PRES A 96.0 INCHES PSIG	3.903+002	3.938+002	3.992+002	4.022+002	3.924+002	3.965+002	3.920+002	3.931+002
FUEL INLET TEMP	7.300+001	7.600+001	7.800+001	8.000+001	8.100+001	8.300+001	8.300+001	8.500+001
FUEL TEMP A 24.0 INCHES	2.820+002	2.880+002	2.900+002	2.930+002	2.970+002	2.980+002	2.970+002	3.000+002
FUEL TEMP A 48.0 INCHES	4.230+002	4.340+002	4.370+002	4.400+002	4.470+002	4.470+002	4.450+002	4.500+002
FUEL TEMP A 72.0 INCHES	5.660+002	5.790+002	5.820+002	5.860+002	5.930+002	5.930+002	5.900+002	5.900+002
FUEL TEMP A 96.0 INCHES	6.900+002	7.060+002	7.060+002	7.140+002	7.180+002	7.170+002	7.120+002	7.270+002
FLOW RATE LB/HR	6.004+001	5.921+001	5.876+001	5.604+001	6.102+001	6.062+001	6.065+001	5.981+001
CURRENT AMPS	1.052+002	1.022+002	1.037+002	1.053+002	1.022+002	1.017+002	1.025+002	1.028+002
VOLTAGE VOLTS	5.864+001	5.603+001	5.701+001	5.908+001	5.724+001	5.758+001	5.757+001	5.877+001
PC-FP BTU/SEC	5.810+000	5.504+000	5.604+000	5.978+000	5.543+000	5.569+000	5.509+000	5.729+000
FLOW BTU/SEC-SOFT	3.275+001	3.091+001	3.193+001	3.330+001	3.113+001	3.117+001	3.140+001	3.210+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 26 SEPTEMBER 29, 1982

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER	3 0.0	INCHES	2.272+003	2.240+003	2.223+003	2.196+003	2.309+003	2.294+003	2.263+003
REYNOLDS NUMBER	3 12.0	INCHES	5.879+003	5.790+003	5.754+003	5.683+003	5.975+003	5.935+003	5.856+003
REYNOLDS NUMBER	3 36.0	INCHES	1.379+004	1.360+004	1.349+004	1.333+004	1.401+004	1.393+004	1.373+004
REYNOLDS NUMBER	3 60.0	INCHES	2.201+004	2.171+004	2.154+004	2.128+004	2.237+004	2.222+004	2.192+004
REYNOLDS NUMBER	3 84.0	INCHES	3.342+004	3.296+004	3.271+004	3.231+004	3.396+004	3.376+004	3.329+004
FRICTION FACTOR	3 0.0	INCHES	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR	3 12.0	INCHES	1.001-002	9.989-003	1.028-002	1.071-002	1.034-002	1.028-002	1.052-002
FRICTION FACTOR	3 36.0	INCHES	9.785-003	9.835-003	9.783-003	9.636-003	9.562-003	9.241-003	9.427-003
FRICTION FACTOR	3 60.0	INCHES	6.823-003	6.819-003	6.387-003	6.267-003	6.363-003	6.342-003	6.535-003
FRICTION FACTOR	3 84.0	INCHES	3.450-002	3.886-002	3.922-002	4.214-002	4.193-002	4.279-002	4.839-002
U 3 1.125	IN. BTU/FT2-SEC-F		1.106-001	1.051-001	1.093-001	1.117-001	1.065-001	1.070-001	1.083-001
U 3 2.5	IN. BTU/FT2-SEC-F		8.991-002	8.535-002	8.863-002	9.117-002	8.595-002	9.042-002	8.859-002
U 3 5.5	IN. BTU/FT2-SEC-F		7.651-002	7.489-002	7.729-002	7.688-002	7.941-002	8.223-002	8.084-002
U 3 7.0	IN. BTU/FT2-SEC-F		8.755-002	8.563-002	8.942-002	8.784-002	9.668-002	8.778-002	8.625-002
U 3 8.5	IN. BTU/FT2-SEC-F		1.043-001	1.004-001	1.047-001	1.034-001	1.096-001	1.006-001	1.098-001
U 3 10.125	IN. BTU/FT2-SEC-F		1.227-001	1.167-001	1.219-001	1.186-001	1.231-001	1.268-001	1.224-001
U 3 12.625	IN. BTU/FT2-SEC-F		1.530-001	1.418-001	1.464-001	1.285-001	1.441-001	1.470-001	1.443-001
U 3 15.0	IN. BTU/FT2-SEC-F		1.595-001	1.491-001	1.570-001	1.504-001	1.554-001	1.612-001	1.508-001
U 3 17.125	IN. BTU/FT2-SEC-F		1.689-001	1.578-001	1.673-001	1.587-001	1.648-001	1.705-001	1.594-001
U 3 20.0	IN. BTU/FT2-SEC-F		1.801-001	1.700-001	1.795-001	1.692-001	1.761-001	1.835-001	1.695-001
U 3 22.625	IN. BTU/FT2-SEC-F		1.985-001	1.874-001	1.983-001	1.860-001	1.946-001	2.030-001	1.860-001
U 3 25.25	IN. BTU/FT2-SEC-F		2.312-001	2.167-001	2.286-001	2.139-001	2.229-001	2.315-001	2.122-001
U 3 28.75	IN. BTU/FT2-SEC-F		2.461-001	2.239-001	2.436-001	2.248-001	2.393-001	2.432-001	2.265-001
U 3 32.5	IN. BTU/FT2-SEC-F		2.529-001	2.318-001	2.524-001	2.147-001	2.288-001	2.434-001	2.159-001
U 3 36.0	IN. BTU/FT2-SEC-F		2.520-001	2.291-001	2.535-001	2.346-001	2.492-001	2.631-001	2.307-001
U 3 39.5	IN. BTU/FT2-SEC-F		2.551-001	2.310-001	2.547-001	2.389-001	2.503-001	2.566-001	2.309-001
U 3 43.0	IN. BTU/FT2-SEC-F		2.552-001	2.301-001	2.568-001	2.390-001	2.545-001	2.750-001	2.326-001
U 3 46.75	IN. BTU/FT2-SEC-F		2.871-001	2.575-001	2.901-001	2.662-001	2.855-001	2.905-001	2.553-001
U 3 49.5	IN. BTU/FT2-SEC-F		2.735-001	2.459-001	2.736-001	2.509-001	2.690-001	2.713-001	2.462-001
U 3 53.25	IN. BTU/FT2-SEC-F		2.790-001	2.486-001	2.816-001	2.554-001	2.746-001	2.769-001	2.507-001
U 3 57.0	IN. BTU/FT2-SEC-F		3.004-001	2.665-001	2.984-001	2.663-001	2.909-001	2.962-001	2.637-001
U 3 60.25	IN. BTU/FT2-SEC-F		2.875-001	2.495-001	2.778-001	2.665-001	2.858-001	2.909-001	2.618-001
U 3 64.125	IN. BTU/FT2-SEC-F		3.225-001	2.722-001	3.025-001	2.832-001	3.096-001	3.154-001	2.761-001
U 3 71.0	IN. BTU/FT2-SEC-F		3.212-001	2.689-001	3.013-001	3.056-001	3.211-001	3.173-001	2.775-001
U 3 74.125	IN. BTU/FT2-SEC-F		3.559-001	2.972-001	3.325-001	3.197-001	3.537-001	3.412-001	2.898-001
U 3 80.0	IN. BTU/FT2-SEC-F		3.275-001	2.688-001	2.851-001	2.752-001	2.707-001	2.620-001	1.986-001
U 3 81.5	IN. BTU/FT2-SEC-F		3.245-001	2.557-001	2.496-001	2.206-001	1.899-001	1.723-001	1.233-001
U 3 85.0	IN. BTU/FT2-SEC-F		3.453-001	2.243-001	1.925-001	1.587-001	1.150-001	9.212-002	8.171-002
U 3 88.5	IN. BTU/FT2-SEC-F		3.654-001	2.212-001	1.757-001	1.339-001	1.025-001	7.340-002	6.625-002
U 3 91.75	IN. BTU/FT2-SEC-F		3.640-001	1.970-001	1.492-001	1.121-001	8.601-002	6.292-002	5.736-002
U 3 95.0	IN. BTU/FT2-SEC-F		3.801-001	1.906-001	1.307-001	1.018-001	7.879-002	5.911-002	5.499-002

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 26 SEPTEMBER 29, 1982

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK	3 1.125 INCHES	MILS	1.886-001	4.273-002	-3.559-002	1.362-001	1.187-001	-9.955-003	7.633-002
THK	3 2.5 INCHES	MILS	2.379-001	6.405-002	-6.129-002	2.049-001	-3.161-002	-2.516-002	6.615-002
THK	3 4.125 INCHES	MILS	2.136-001	4.397-002	7.163-002	-9.375-002	-2.668-001	-2.888-001	-1.828-001
THK	3 5.5 INCHES	MILS	1.597-001	-7.070-003	3.619-002	-3.397-001	-5.361-001	-5.579-001	-4.569-001
THK	3 7.0 INCHES	MILS	1.027-001	-9.574-002	-1.521-002	-4.312-001	-5.775-001	-5.933-001	-4.911-001
THK	3 8.5 INCHES	MILS	1.497-001	-1.434-002	3.292-002	-1.866-001	-2.661-001	-2.682-001	-1.933-001
THK	3 10.125 INCHES	MILS	1.673-001	2.100-002	1.145-001	-1.071-002	-1.048-001	-5.087-002	7.845-003
THK	3 12.625 INCHES	MILS	2.068-001	1.172-001	4.975-001	1.612-001	1.065-001	1.125-001	1.581-001
THK	3 15.0 INCHES	MILS	1.746-001	3.932-002	1.509-001	6.580-002	-2.721-002	5.697-002	1.438-001
THK	3 17.125 INCHES	MILS	1.663-001	2.318-002	1.532-001	5.852-002	-2.148-002	5.093-002	1.413-001
THK	3 20.0 INCHES	MILS	1.317-001	6.082-003	1.436-001	5.090-002	-4.174-002	4.460-002	1.387-001
THK	3 22.625 INCHES	MILS	1.195-001	1.598-003	1.350-001	4.402-002	-5.215-002	2.300-002	1.350-001
THK	3 25.25 INCHES	MILS	1.155-001	1.935-002	1.397-001	6.400-002	-2.385-003	4.897-002	1.549-001
THK	3 28.75 INCHES	MILS	1.611-001	1.666-002	1.534-001	4.573-002	-7.183-002	1.899-002	1.406-001
THK	3 32.5 INCHES	MILS	1.661-001	6.317-003	1.520-001	3.730-002	-6.753-002	-2.832-003	1.421-001
THK	3 36.0 INCHES	MILS	1.714-001	3.007-003	1.061-001	3.061-002	-6.122-002	4.357-003	1.522-001
THK	3 39.5 INCHES	MILS	1.588-001	-9.384-003	1.180-001	1.804-002	-8.661-002	-8.153-003	1.523-001
THK	3 43.0 INCHES	MILS	1.577-001	2.654-003	1.063-001	2.990-002	-8.757-002	-8.974-003	1.644-001
THK	3 46.75 INCHES	MILS	1.706-001	-9.254-003	1.063-001	4.180-003	-1.133-001	-3.447-002	1.520-001
THK	3 49.5 INCHES	MILS	1.602-001	-1.436-002	1.072-001	7.905-003	9.641-002	-1.650-002	1.738-001
THK	3 53.25 INCHES	MILS	1.643-001	-5.912-005	1.321-001	2.441-002	-9.292-002	1.196-002	1.626-001
THK	3 57.0 INCHES	MILS	1.756-001	-1.332-002	1.326-001	2.293-002	-9.436-002	1.072-002	1.621-001
THK	3 60.25 INCHES	MILS	1.695-001	9.112-003	1.703-001	4.333-002	-7.386-002	1.907-002	1.851-001
THK	3 64.125 INCHES	MILS	2.119-001	4.824-002	1.032-001	7.896-003	-9.650-002	-1.657-002	1.365-001
THK	3 67.375 INCHES	MILS	2.288-001	8.194-002	1.718-001	5.146-002	-5.280-002	2.789-002	2.084-001
THK	3 71.0 INCHES	MILS	2.420-001	8.207-002	6.357-002	3.205-004	-6.538-002	1.536-002	1.960-001
THK	3 74.125 INCHES	MILS	2.219-001	7.896-002	5.356-002	6.876-003	-4.585-002	4.836-002	2.560-001
THK	3 78.0 INCHES	MILS	2.665-001	1.817-001	2.322-001	2.560-001	3.055-001	4.985-001	7.923-001
THK	3 81.5 INCHES	MILS	3.319-001	3.699-001	5.804-001	8.733-001	1.089+000	1.544+000	2.011+000
THK	3 85.0 INCHES	MILS	6.250-001	9.192-001	1.362+000	7.024-001	2.432+000	3.184+000	3.737+000
THK	3 88.5 INCHES	MILS	7.730-001	1.242+000	1.953+000	2.867+000	3.504+000	4.414+000	5.003+000
THK	3 91.75 INCHES	MILS	9.320-001	1.502+000	2.469+000	3.552+000	4.290+000	5.258+000	5.874+000
THK	3 95.0 INCHES	MILS	1.046+000	1.831+000	2.878+000	4.025+000	4.775+000	5.715+000	6.221+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 27 OCTOBER 1, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THALL @ 1.125 INCHES	2.600+002	2.490+002	2.580+002	2.540+002	2.390+002	2.540+002	2.590+002	2.500+002
THALL @ 2.5 INCHES	3.050+002	2.770+002	2.920+002	2.850+002	2.650+002	2.810+002	2.780+002	2.710+002
THALL @ 4.1.5 INCHES	3.340+002	3.020+002	3.110+002	3.010+002	2.750+002	2.690+002	2.630+002	2.600+002
THALL @ 5.5 INCHES	3.380+002	3.070+002	3.090+002	3.000+002	2.780+002	2.910+002	2.850+002	2.800+002
THALL @ 7.0 INCHES	3.270+002	2.980+002	3.030+002	2.980+002	2.770+002	2.900+002	2.850+002	2.800+002
THALL @ 8.5 INCHES	3.200+002	2.930+002	3.020+002	2.960+002	2.770+002	2.900+002	2.860+002	2.820+002
THALL @ 10.125 INCHES	3.080+002	2.860+002	2.950+002	2.910+002	2.740+002	2.870+002	2.830+002	2.800+002
THALL @ 12.625 INCHES	3.030+002	2.800+002	2.930+002	2.890+002	2.730+002	2.880+002	2.850+002	2.820+002
THALL @ 15.0 INCHES	3.010+002	2.800+002	2.890+002	2.910+002	2.760+002	2.900+002	2.800+002	2.800+002
THALL @ 17.125 INCHES	3.010+002	2.820+002	2.910+002	2.940+002	2.790+002	2.910+002	2.910+002	2.900+002
THALL @ 20.0 INCHES	3.060+002	2.860+002	2.960+002	2.990+002	2.850+002	2.970+002	2.970+002	2.960+002
THALL @ 22.625 INCHES	3.080+002	2.870+002	2.980+002	3.010+002	2.860+002	2.990+002	3.000+002	2.990+002
THALL @ 25.25 INCHES	3.160+002	2.960+002	3.060+002	3.100+002	3.000+002	3.080+002	3.020+002	3.060+002
THALL @ 32.5 INCHES	3.410+002	3.180+002	3.300+002	3.340+002	3.240+002	3.320+002	3.250+002	3.300+002
THALL @ 36.0 INCHES	3.240+002	3.030+002	3.140+002	3.190+002	3.100+002	3.160+002	3.090+002	3.150+002
THALL @ 39.5 INCHES	3.650+002	3.390+002	3.520+002	3.590+002	3.470+002	3.540+002	3.460+002	3.520+002
THALL @ 43.0 INCHES	3.760+002	3.490+002	3.680+002	3.680+002	3.540+002	3.650+002	3.500+002	3.630+002
THALL @ 46.75 INCHES	3.850+002	3.570+002	3.710+002	3.780+002	3.650+002	3.720+002	3.630+002	3.710+002
THALL @ 49.5 INCHES	3.910+002	3.640+002	3.780+002	3.840+002	3.710+002	3.790+002	3.710+002	3.880+002
THALL @ 53.25 INCHES	4.110+002	3.830+002	3.950+002	4.020+002	3.870+002	3.990+002	3.910+002	3.990+002
THALL @ 57.0 INCHES	4.260+002	3.960+002	4.070+002	4.170+002	4.020+002	4.170+002	4.030+002	3.990+002
THALL @ 60.25 INCHES	4.340+002	4.040+002	4.160+002	4.230+002	4.070+002	4.230+002	4.120+002	4.080+002
THALL @ 64.125 INCHES	4.540+002	4.210+002	4.350+002	4.340+002	4.220+002	4.370+002	4.280+002	4.230+002
THALL @ 67.375 INCHES	4.600+002	4.210+002	4.420+002	4.400+002	4.280+002	4.550+002	4.330+002	4.280+002
THALL @ 71.0 INCHES	4.760+002	4.370+002	4.560+002	4.560+002	4.430+002	4.660+002	4.450+002	4.430+002
THALL @ 74.125 INCHES	4.740+002	4.360+002	4.550+002	4.540+002	4.420+002	4.660+002	4.460+002	4.430+002
THALL @ 78.0 INCHES	4.950+002	4.560+002	4.760+002	4.730+002	4.600+002	4.850+002	4.660+002	4.620+002
THALL @ 81.5 INCHES	5.140+002	4.710+002	4.930+002	4.890+002	4.760+002	5.070+002	4.810+002	4.750+002
THALL @ 85.0 INCHES	5.290+002	4.880+002	5.090+002	5.080+002	4.920+002	5.170+002	4.970+002	4.910+002
THALL @ 88.5 INCHES	5.550+002	4.980+002	5.300+002	5.170+002	5.030+002	5.550+002	5.080+002	5.090+002
THALL @ 91.75 INCHES	5.480+002	5.060+002	5.300+002	5.250+002	5.110+002	5.640+002	5.160+002	5.090+002
THALL @ 95.0 INCHES	5.640+002	5.200+002	5.540+002	5.390+002	5.250+002	5.810+002	5.300+002	5.220+002
FUEL PRES @ 0.0 INCHES PSIG	4.043+002	4.069+002	4.077+002	4.108+002	4.042+002	4.049+002	4.087+002	4.068+002
FUEL PRES @ 24.0 INCHES PSIG	3.982+002	4.005+002	4.015+002	4.048+002	3.982+002	3.987+002	4.023+002	4.004+002
FUEL PRES @ 48.0 INCHES PSIG	3.932+002	3.956+002	3.967+002	4.001+002	3.934+002	3.940+002	3.978+002	3.958+002
FUEL PRES @ 72.0 INCHES PSIG	3.892+002	3.918+002	3.920+002	3.964+002	3.898+002	3.903+002	3.942+002	3.922+002
FUEL PRES @ 96.0 INCHES PSIG	3.755+002	3.799+002	3.803+002	3.829+002	3.760+002	3.766+002	3.803+002	3.782+002
FUEL INLET TEMP	6.700+001	6.900+001	7.400+001	7.700+001	8.100+001	8.400+001	8.900+001	9.100+001
FUEL TEMP @ 24.0 INCHES DEG F	2.020+002	2.000+002	1.990+002	1.980+002	2.020+002	2.000+002	2.110+002	2.120+002
FUEL TEMP @ 48.0 INCHES DEG F	3.020+002	3.040+002	2.990+002	2.960+002	3.010+002	3.070+002	3.100+002	3.100+002
FUEL TEMP @ 72.0 INCHES DEG F	4.090+002	4.000+002	3.920+002	3.860+002	3.900+002	4.000+002	4.010+002	3.970+002
FUEL TEMP @ 96.0 INCHES DEG F	5.010+002	4.720+002	4.670+002	4.770+002	4.580+002	4.820+002	4.630+002	4.720+002
FLOW RATE LB/HR	6.017+001	5.940+001	5.954+001	6.036+001	6.051+001	5.999+001	6.041+001	6.080+001
CURRENT AMPS	8.684+001	7.750+001	8.664+001	8.152+001	7.748+001	8.002+001	8.200+001	7.605+001
VOLTAGE VOLTS	4.538+001	3.970+001	4.463+001	4.249+001	3.969+001	4.135+001	4.267+001	3.947+001
POWER BTU/SEC	3.735+000	2.916+000	3.674+000	3.283+000	2.915+000	3.137+000	3.317+000	2.895+000
FLUX BTU/SQ-FT	7.020+001	1.630+001	2.004+001	1.844+001	1.637+001	1.762+001	1.863+001	1.523+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 27 OCTOBER 1, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.600+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER @ 0.0 INCHES	2.130+003	2.111+003	2.116+003	2.145+003	2.151+003	2.132+003	2.147+003	2.161+003
REYNOLDS NUMBER @ 12.0 INCHES	4.242+003	4.188+003	4.198+003	4.255+003	4.267+003	4.230+003	4.259+003	4.287+003
REYNOLDS NUMBER @ 35.0 INCHES	9.348+003	9.226+003	9.250+003	9.377+003	9.401+003	9.320+003	9.385+003	9.465+003
REYNOLDS NUMBER @ 60.0 INCHES	1.411+004	1.392+004	1.396+004	1.415+004	1.419+004	1.406+004	1.416+004	1.425+004
REYNOLDS NUMBER @ 84.0 INCHES	1.945+004	1.920+004	1.925+004	1.951+004	1.956+004	1.939+004	1.953+004	1.966+004
FRICITION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICITION FACTOR @ 12.0 INCHES	1.377-002	1.465-002	1.416-002	1.348-002	1.336-002	1.409-002	1.432-002	1.415-002
FRICITION FACTOR @ 36.0 INCHES	1.048-002	1.056-002	1.046-002	1.004-002	9.966-003	9.913-003	9.578-003	9.568-003
FRICITION FACTOR @ 60.0 INCHES	8.205-003	7.909-003	7.893-003	7.206-003	7.165-003	7.444-003	7.204-003	7.055-003
FRICITION FACTOR @ 84.0 INCHES	2.581-002	2.315-002	2.434-002	2.547-002	2.578-002	2.606-002	2.593-002	2.607-002
U @ 1.125 IN. BTU/FT2-SEC-F	1.078-001	9.326-002	1.117-001	1.021-001	9.683-002	9.753-002	1.003-001	9.047-002
U @ 2.5 IN. BTU/FT2-SEC-F	9.370-002	8.361-002	9.783-002	9.044-002	8.901-002	8.813-002	9.460-002	8.415-002
U @ 4.125 IN. BTU/FT2-SEC-F	8.607-002	7.735-002	9.366-002	8.749-002	8.860-002	8.864-002	9.663-002	8.649-002
U @ 5.5 IN. BTU/FT2-SEC-F	8.740-002	7.836-002	9.777-002	9.128-002	9.093-002	9.127-002	9.960-002	8.779-002
U @ 7.0 IN. BTU/FT2-SEC-F	9.510-002	8.549-002	1.050-001	9.625-002	9.596-002	9.596-002	1.043-001	9.206-002
U @ 8.5 IN. BTU/FT2-SEC-F	1.023-001	9.194-002	1.102-001	1.018-001	1.010-001	1.006-001	1.068-001	9.560-002
U @ 10.125 IN. BTU/FT2-SEC-F	1.140-001	1.011-001	1.206-001	1.108-001	1.091-001	1.061-001	1.171-001	1.024-001
U @ 12.625 IN. BTU/FT2-SEC-F	1.272-001	1.154-001	1.332-001	1.222-001	1.213-001	1.175-001	1.260-001	1.110-001
U @ 15.0 IN. BTU/FT2-SEC-F	1.402-001	1.274-001	1.499-001	1.321-001	1.314-001	1.271-001	1.364-001	1.196-001
U @ 20.0 IN. BTU/FT2-SEC-F	1.659-001	1.538-001	1.771-001	1.543-001	1.552-001	1.500-001	1.586-001	1.372-001
U @ 22.625 IN. BTU/FT2-SEC-F	1.845-001	1.767-001	1.989-001	1.728-001	1.785-001	1.682-001	1.762-001	1.526-001
U @ 25.25 IN. BTU/FT2-SEC-F	1.935-001	1.853-001	2.097-001	1.801-001	1.771-001	1.755-001	1.973-001	1.624-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.081-001	2.052-001	2.272-001	1.925-001	1.886-001	1.898-001	2.171-001	1.741-001
U @ 32.5 IN. BTU/FT2-SEC-F	2.075-001	2.098-001	2.298-001	1.968-001	1.947-001	1.913-001	2.189-001	1.774-001
U @ 36.0 IN. BTU/FT2-SEC-F	2.152-001	2.260-001	2.396-001	2.061-001	2.140-001	2.014-001	2.258-001	1.869-001
U @ 43.0 IN. BTU/FT2-SEC-F	2.350-001	2.630-001	2.678-001	2.269-001	2.433-001	2.251-001	2.613-001	2.095-001
U @ 46.75 IN. BTU/FT2-SEC-F	2.572-001	3.050-001	3.054-001	2.473-001	2.659-001	2.570-001	3.127-001	2.365-001
U @ 49.5 IN. BTU/FT2-SEC-F	2.770-001	3.361-001	3.289-001	2.683-001	2.917-001	2.764-001	3.362-001	3.030-001
U @ 53.25 IN. BTU/FT2-SEC-F	2.619-001	3.143-001	3.074-001	2.593-001	2.917-001	2.587-001	3.099-001	2.798-001
U @ 57.0 IN. BTU/FT2-SEC-F	2.639-001	3.310-001	3.411-001	2.616-001	2.950-001	2.499-001	3.297-001	3.045-001
U @ 60.25 IN. BTU/FT2-SEC-F	2.637-001	3.727-001	3.680-001	2.929-001	3.487-001	2.799-001	3.586-001	3.333-001
U @ 64.125 IN. BTU/FT2-SEC-F	2.697-001	3.656-001	3.509-001	3.190-001	3.574-001	2.488-001	3.596-001	3.414-001
U @ 67.375 IN. BTU/FT2-SEC-F	2.986-001	5.239-001	3.968-001	3.669-001	4.278-001	2.700-001	4.306-001	4.176-001
U @ 71.0 IN. BTU/FT2-SEC-F	2.948-001	5.093-001	4.033-001	3.605-001	4.290-001	2.881-001	4.638-001	4.188-001
U @ 74.125 IN. BTU/FT2-SEC-F	3.691-001	8.689-001	5.452-001	5.008-001	6.528-001	3.607-001	6.457-001	6.185-001
U @ 78.0 IN. BTU/FT2-SEC-F	3.331-001	6.826-001	4.630-001	4.490-001	5.848-001	3.325-001	5.480-001	5.328-001
U @ 81.5 IN. BTU/FT2-SEC-F	3.059-001	6.404-001	4.337-001	4.232-001	5.354-001	2.861-001	5.236-001	5.403-001
U @ 85.0 IN. BTU/FT2-SEC-F	2.990-001	5.617-001	4.114-001	3.751-001	4.937-001	3.029-001	4.881-001	4.969-001
U @ 88.5 IN. BTU/FT2-SEC-F	2.536-001	6.362-001	3.573-001	4.121-001	5.325-001	2.129-001	5.211-001	5.560-001
U @ 91.75 IN. BTU/FT2-SEC-F	3.315-001	7.694-001	3.872-001	4.578-001	6.222-001	2.222-001	5.954-001	6.500-001
U @ 95.0 IN. BTU/FT2-SEC-F	3.140-001	7.175-001	3.631-001	4.409-001	5.883-001	2.102-001	5.674-001	6.436-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 27 OCTOBER 1, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.600+002	2.250+002	2.700+002	3.000+002
THK @ 1.125 INCHES MILS	.000	5.781-001	-1.316-001	2.072-001	3.363-001	3.900-001	2.752-001	7.101-001
THK @ 2.5 INCHES MILS	.000	5.150-001	-1.804-001	1.539-001	2.246-001	2.695-001	-4.065-002	4.842-001
THK @ 4.125 INCHES MILS	.000	5.237-001	3.679-001	-7.592-002	-1.330-001	-1.350-001	-5.083-001	-2.302-002
THK @ 5.5 INCHES MILS	.000	5.281-001	-4.854-001	-1.942-001	-1.774-001	-1.940-001	-5.603-001	-2.026-002
THK @ 7.0 INCHES MILS	.000	4.729-001	3.947-001	-4.998-002	-3.746-002	3.768-002	3.709-001	1.391-001
THK @ 8.5 INCHES MILS	.000	4.391-001	-2.833-001	1.795-002	5.070-002	6.509-002	-2.363-001	2.723-001
THK @ 10.125 INCHES MILS	.000	4.480-001	-1.932-001	1.143-001	1.571-001	1.925-001	-9.389-002	3.965-001
THK @ 12.625 INCHES MILS	.000	3.216-001	-1.411-001	1.293-001	1.523-001	2.594-001	1.053-002	4.581-001
THK @ 15.0 INCHES MILS	.000	2.882-001	-1.048-001	1.758-001	1.923-001	2.944-001	0.092-002	4.916-001
THK @ 17.125 INCHES MILS	.000	2.730-001	-1.498-001	2.095-001	2.014-001	2.736-001	1.166-001	5.455-001
THK @ 20.0 INCHES MILS	.000	1.888-001	-1.534-001	1.801-001	1.659-001	2.557-001	1.112-001	5.039-001
THK @ 22.625 INCHES MILS	.000	9.605-002	-1.575-001	1.466-001	7.293-002	2.092-001	1.019-001	4.528-001
THK @ 25.25 INCHES MILS	.000	9.206-002	-1.592-001	1.544-001	1.910-001	2.127-001	-3.968-002	3.962-001
THK @ 28.75 INCHES MILS	.000	2.694-002	-1.616-001	1.561-001	1.991-001	1.850-001	-7.945-002	3.759-001
THK @ 32.5 INCHES MILS	.000	-2.039-002	-1.809-001	1.135-001	1.273-001	1.633-001	-1.002-001	3.275-001
THK @ 36.0 INCHES MILS	.000	-8.851-002	-1.821-001	8.236-002	1.023-002	1.275-001	-8.744-002	2.810-001
THK @ 39.5 INCHES MILS	.000	-1.322-001	-2.220-001	1.163-001	6.418-002	9.172-002	-1.820-001	2.345-001
THK @ 43.0 INCHES MILS	.000	-1.813-001	-2.041-001	6.082-002	-5.825-002	7.497-002	-1.716-001	2.070-001
THK @ 45.75 INCHES MILS	.000	-2.470-001	-2.453-001	6.225-002	-5.082-002	1.509-003	-2.761-001	1.360-001
THK @ 49.5 INCHES MILS	.000	-2.538-001	-2.278-001	4.697-002	-8.207-002	3.037-003	-2.471-001	-1.240-001
THK @ 53.25 INCHES MILS	.000	-2.548-001	-2.264-001	1.507-002	-1.563-001	1.894-002	-2.366-001	-9.789-002
THK @ 57.0 INCHES MILS	.000	-3.069-001	-3.429-001	1.343-002	-1.597-001	0.477-002	-3.025-001	-2.017-001
THK @ 60.25 INCHES MILS	.000	-3.366-001	-3.253-001	-4.448-002	-2.627-001	1.922-002	-2.944-001	-2.097-001
THK @ 64.125 INCHES MILS	.000	-3.892-001	-3.434-001	-2.294-001	-3.642-001	1.240-001	-3.710-001	-3.119-001
THK @ 67.375 INCHES MILS	.000	-5.761-001	-3.264-001	-2.494-001	-4.046-001	1.420-001	-4.106-001	-3.819-001
THK @ 71.0 INCHES MILS	.000	-5.713-001	-3.649-001	-2.470-001	-4.243-001	3.177-002	-4.943-001	-4.016-001
THK @ 74.125 INCHES MILS	.000	-6.235-001	-3.501-001	-2.846-001	-4.766-001	2.513-002	-4.644-001	-4.368-001
THK @ 78.0 INCHES MILS	.000	-6.150-001	-3.401-001	-3.118-001	-5.170-001	2.076-003	-4.710-001	-4.502-001
THK @ 81.5 INCHES MILS	.000	-6.828-001	-3.851-001	-3.622-001	-5.603-001	9.048-002	-5.435-001	-5.671-001
THK @ 85.0 INCHES MILS	.000	-6.255-001	-3.652-001	-2.713-001	-5.274-001	-1.726-002	-5.182-001	-5.326-001
THK @ 89.5 INCHES MILS	.000	-9.488-001	-4.581-001	-6.070-001	-8.263-001	3.009-001	-8.100-001	-8.580-001
THK @ 91.75 INCHES MILS	.000	-6.867-001	-1.735-001	-3.327-001	-5.642-001	5.933-001	-5.347-001	-5.987-001
THK @ 95.0 INCHES MILS	.000	-7.166-001	-1.755-001	-3.668-001	-5.941-001	6.289-001	-5.692-001	-6.526-001

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 26 OCTOBER 5, 1962

TIME MIN	.000	1.000+001	2.000+001	3.000+001	4.000+001	5.000+001	6.000+001
THALL 3 1.125 INCHES	3.760+002	3.550+002	3.470+002	3.660+002	3.620+002	3.710+002	3.660+002
THALL 3 2.5 INCHES	4.520+002	4.260+002	4.410+002	4.410+002	4.330+002	4.450+002	4.410+002
THALL 3 4.125 INCHES	4.980+002	4.800+002	4.940+002	4.900+002	4.860+002	4.950+002	4.900+002
THALL 3 5.5 INCHES	4.890+002	4.670+002	4.850+002	4.870+002	4.790+002	4.880+002	4.850+002
THALL 3 7.0 INCHES	4.550+002	4.370+002	4.520+002	4.520+002	4.470+002	4.600+002	4.490+002
THALL 3 8.5 INCHES	4.100+002	3.930+002	4.090+002	4.080+002	4.030+002	4.170+002	4.050+002
THALL 3 10.125 INCHES	3.900+002	3.600+002	3.940+002	3.930+002	3.880+002	4.040+002	3.920+002
THALL 3 12.625 INCHES	4.000+002	3.820+002	3.940+002	3.960+002	3.890+002	4.040+002	3.930+002
THALL 3 15.0 INCHES	4.020+002	3.840+002	3.960+002	3.980+002	3.900+002	4.070+002	3.950+002
THALL 3 17.125 INCHES	4.110+002	3.910+002	4.040+002	4.050+002	3.980+002	4.150+002	4.020+002
THALL 3 22.625 INCHES	4.270+002	4.060+002	4.220+002	4.220+002	4.170+002	4.320+002	4.140+002
THALL 3 28.75 INCHES	4.560+002	4.330+002	4.510+002	4.500+002	4.390+002	4.620+002	4.410+002
THALL 3 32.5 INCHES	4.710+002	4.490+002	4.670+002	4.650+002	4.550+002	4.790+002	4.570+002
THALL 3 36.0 INCHES	4.910+002	4.670+002	4.850+002	4.850+002	4.740+002	4.970+002	4.760+002
THALL 3 39.5 INCHES	5.110+002	4.860+002	5.050+002	5.030+002	4.920+002	5.150+002	4.940+002
THALL 3 43.0 INCHES	5.310+002	5.050+002	5.260+002	5.240+002	5.110+002	5.350+002	5.130+002
THALL 3 46.75 INCHES	5.430+002	5.160+002	5.380+002	5.370+002	5.230+002	5.490+002	5.260+002
THALL 3 53.25 INCHES	5.790+002	5.530+002	5.730+002	5.720+002	5.590+002	5.860+002	5.620+002
THALL 3 57.0 INCHES	5.990+002	5.720+002	5.930+002	5.910+002	5.800+002	6.050+002	5.810+002
THALL 3 60.25 INCHES	6.130+002	5.850+002	6.070+002	6.060+002	5.940+002	6.200+002	5.970+002
THALL 3 64.125 INCHES	6.350+002	6.060+002	6.410+002	6.280+002	6.170+002	6.420+002	6.170+002
THALL 3 67.375 INCHES	6.440+002	6.170+002	6.480+002	6.380+002	6.270+002	6.530+002	6.300+002
THALL 3 71.0 INCHES	6.700+002	6.410+002	6.750+002	6.630+002	6.510+002	6.770+002	6.510+002
THALL 3 74.125 INCHES	6.710+002	6.460+002	6.810+002	6.680+002	6.570+002	6.820+002	6.570+002
THALL 3 78.0 INCHES	6.930+002	6.680+002	7.020+002	6.920+002	6.820+002	7.050+002	6.880+002
THALL 3 81.5 INCHES	7.230+002	6.910+002	7.390+002	7.190+002	7.170+002	7.380+002	7.270+002
THALL 3 85.0 INCHES	7.240+002	7.020+002	7.490+002	7.400+002	7.300+002	7.590+002	7.640+002
THALL 3 88.5 INCHES	7.430+002	7.230+002	7.750+002	7.720+002	7.610+002	7.990+002	8.090+002
THALL 3 91.75 INCHES	7.900+002	7.680+002	8.240+002	8.220+002	8.130+002	8.530+002	8.690+002
THALL 3 95.0 INCHES	7.750+002	7.590+002	8.190+002	8.200+002	8.350+002	8.590+002	8.780+002
FUEL PRES 3 0.0 INCHES PSIG	4.214+002	4.204+002	4.247+002	4.261+002	4.270+002	4.250+002	4.270+002
FUEL PRES 3 24.0 INCHES PSIG	4.157+002	4.150+002	4.193+002	4.205+002	4.221+002	4.208+002	4.218+002
FUEL PRES 3 48.0 INCHES PSIG	4.113+002	4.109+002	4.152+002	4.164+002	4.179+002	4.166+002	4.176+002
FUEL PRES 3 72.0 INCHES PSIG	4.076+002	4.073+002	4.096+002	4.128+002	4.144+002	4.131+002	4.140+002
FUEL PRES 3 96.0 INCHES PSIG	3.851+002	3.855+002	3.895+002	3.907+002	3.920+002	3.895+002	3.907+002
FUEL INLET TEMP	6.709+001	6.700+001	6.700+001	6.700+001	6.700+001	6.800+001	6.800+001
FUEL TEMP 3 24.0 INCHES DEG F	2.680+002	2.700+001	2.700+002	2.670+002	2.730+002	2.710+002	2.710+002
FUEL TEMP 3 48.0 INCHES DEG F	4.250+002	4.310+002	4.290+002	4.220+002	4.330+002	4.290+002	4.300+002
FUEL TEMP 3 72.0 INCHES DEG F	4.250+002	4.310+002	4.290+002	4.220+002	4.330+002	4.290+002	4.300+002
FUEL TEMP 3 96.0 INCHES DEG F	7.060+002	6.820+002	7.020+002	6.950+002	6.960+002	7.030+002	7.020+002
FUEL RATE LB/HQ	6.135+001	6.003+001	5.966+001	5.964+001	5.976+001	6.005+001	6.005+001
CURRENT AMPS	1.066+002	1.019+002	1.027+002	1.037+002	1.025+002	1.050+002	1.039+002
VOLTAGE VOLTS	6.060+001	5.777+001	5.862+001	5.908+001	5.878+001	6.021+001	5.926+001
POWER BTU/SEC	6.131+000	5.580+000	5.709+000	5.805+000	5.711+000	5.993+000	5.836+000
FUEL BTU/SEC-50FT	3.404+001	3.136+001	3.207+001	3.261+001	3.269+001	3.367+001	3.274+001

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 28 OCTOBER 5, 1962

TIME MIN	.000	1.000+001	2.000+001	3.000+001	4.000+001	5.000+001	6.000+001
REYNOLDS NUMBER @ 0.0 INCHES	2.160+003	2.133+003	2.113+003	2.126+003	2.124+003	2.135+003	2.134+003
REYNOLDS NUMBER @ 12.0 INCHES	5.621+003	5.501+003	5.449+003	5.483+003	5.477+003	5.504+003	5.502+003
REYNOLDS NUMBER @ 36.0 INCHES	1.378+004	1.348+004	1.336+004	1.344+004	1.343+004	1.349+004	1.349+004
REYNOLDS NUMBER @ 60.0 INCHES	1.794+004	1.755+004	1.739+004	1.750+004	1.748+004	1.756+004	1.756+004
REYNOLDS NUMBER @ 84.0 INCHES	2.804+004	2.744+004	2.718+004	2.735+004	2.732+004	2.745+004	2.745+004
FRICTION FACTOR @ 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR @ 12.0 INCHES	1.225-002	1.206-002	1.217-002	1.237-002	1.281-002	1.127-002	1.154-002
FRICTION FACTOR @ 36.0 INCHES	8.413-003	8.412-003	8.513-003	8.492-003	8.512-003	8.418-003	8.497-003
FRICTION FACTOR @ 60.0 INCHES	7.007-003	6.920-003	1.310-002	6.979-003	6.992-003	6.812-003	6.969-003
FRICTION FACTOR @ 84.0 INCHES	3.739-002	3.792-002	3.391-002	3.881-002	3.929-002	4.103-002	4.059-002
U @ 1.125 IN. BTU/FT2-SEC-F	1.150-001	1.125-001	1.104-001	1.126-001	1.123-001	1.143-001	1.132-001
U @ 2.5 IN. BTU/FT2-SEC-F	9.460-002	9.272-002	9.083-002	9.235-002	9.297-002	9.428-002	9.285-002
U @ 4.125 IN. BTU/FT2-SEC-F	8.687-002	8.283-002	8.171-002	8.394-002	8.345-002	8.556-002	8.439-002
U @ 5.5 IN. BTU/FT2-SEC-F	9.161-002	8.857-002	8.622-002	8.720-002	8.767-002	8.979-002	8.814-002
U @ 7.0 IN. BTU/FT2-SEC-F	1.046-001	1.007-001	9.826-002	9.991-002	9.983-002	1.007-001	1.014-001
U @ 8.5 IN. BTU/FT2-SEC-F	1.267-001	1.230-001	1.184-001	1.209-001	1.212-001	1.207-001	1.229-001
U @ 10.125 IN. BTU/FT2-SEC-F	1.399-001	1.374-001	1.324-001	1.352-001	1.358-001	1.335-001	1.365-001
U @ 12.625 IN. BTU/FT2-SEC-F	1.065-001	1.044-001	1.017-001	1.034-001	1.048-001	1.026-001	1.047-001
U @ 15.0 IN. BTU/FT2-SEC-F	1.661-001	1.655-001	1.592-001	1.603-001	1.634-001	1.593-001	1.636-001
U @ 17.125 IN. BTU/FT2-SEC-F	1.798-001	1.806-001	1.720-001	1.738-001	1.787-001	1.713-001	1.776-001
U @ 20.0 IN. BTU/FT2-SEC-F	1.962-001	2.003-001	1.892-001	1.912-001	2.090-001	1.865-001	1.957-001
U @ 22.625 IN. BTU/FT2-SEC-F	2.229-001	2.313-001	2.159-001	2.166-001	2.283-001	2.097-001	2.222-001
U @ 25.25 IN. BTU/FT2-SEC-F	2.284-001	2.415-001	2.199-001	2.236-001	2.362-001	2.160-001	2.379-001
U @ 28.75 IN. BTU/FT2-SEC-F	2.195-001	2.341-001	2.111-001	2.160-001	2.293-001	2.066-001	2.310-001
U @ 32.5 IN. BTU/FT2-SEC-F	2.337-001	2.500-001	2.236-001	2.290-001	2.442-001	2.166-001	2.458-001
U @ 36.0 IN. BTU/FT2-SEC-F	2.383-001	2.601-001	2.299-001	2.354-001	2.516-001	2.237-001	2.532-001
U @ 39.5 IN. BTU/FT2-SEC-F	2.432-001	2.688-001	2.355-001	2.441-001	2.617-001	2.312-001	2.631-001
U @ 43.0 IN. BTU/FT2-SEC-F	2.483-001	2.781-001	2.398-001	2.476-001	2.703-001	2.359-001	2.716-001
U @ 46.75 IN. BTU/FT2-SEC-F	2.730-001	3.161-001	2.646-001	2.713-001	3.022-001	2.547-001	3.003-001
U @ 49.5 IN. BTU/FT2-SEC-F	2.551-001	2.902-001	2.467-001	2.528-001	2.790-001	2.388-001	2.778-001
U @ 53.25 IN. BTU/FT2-SEC-F	2.236-001	2.449-001	2.167-001	2.218-001	2.394-001	2.091-001	2.393-001
U @ 57.0 IN. BTU/FT2-SEC-F	1.979-001	2.132-001	1.909-001	1.964-001	2.070-001	1.870-001	2.101-001
U @ 60.25 IN. BTU/FT2-SEC-F	1.832-001	1.959-001	1.762-001	1.801-001	1.899-001	1.726-001	1.986-001
U @ 64.125 IN. BTU/FT2-SEC-F	1.640-001	1.732-001	1.485-001	1.606-001	1.671-001	1.551-001	1.707-001
U @ 67.375 IN. BTU/FT2-SEC-F	1.573-001	1.633-001	1.430-001	1.531-001	1.588-001	1.477-001	1.599-001
U @ 71.0 IN. BTU/FT2-SEC-F	1.406-001	1.451-001	1.283-001	1.370-001	1.420-001	1.336-001	1.451-001
U @ 74.125 IN. BTU/FT2-SEC-F	1.558-001	1.593-001	1.388-001	1.495-001	1.549-001	1.450-001	1.583-001
U @ 78.0 IN. BTU/FT2-SEC-F	1.742-001	1.815-001	1.551-001	1.657-001	1.718-001	1.605-001	1.701-001
U @ 81.5 IN. BTU/FT2-SEC-F	1.844-001	2.025-001	1.582-001	1.704-001	1.775-001	1.648-001	1.718-001
U @ 85.0 IN. BTU/FT2-SEC-F	2.346-001	2.512-001	1.878-001	2.003-001	1.935-001	1.852-001	1.755-001
U @ 89.5 IN. BTU/FT2-SEC-F	2.759-001	2.991-001	2.045-001	2.120-001	1.970-001	1.862-001	1.718-001
U @ 91.75 IN. BTU/FT2-SEC-F	2.575-001	2.805-001	1.912-001	1.967-001	1.815-001	1.711-001	1.541-001
U @ 95.0 IN. BTU/FT2-SEC-F	4.267-001	4.864-001	2.571-001	2.594-001	2.280-001	2.044-001	1.705-001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 26 OCTOBER 5, 1962

TIME	MIN	.000	1.000+001	2.000+001	3.000+001	4.000+001	5.000+001	6.000+001		
THK	3 1.125	INCHES	MILS	.000	7.540-002	1.451-001	7.300-002	0.125-002	2.074-002	5.390-002
THK	3 2.5	INCHES	MILS	.000	8.560-002	1.756-001	1.029-001	7.397-002	1.423-002	7.957-002
THK	3 4.125	INCHES	MILS	.000	2.240-001	2.907-001	1.600-001	1.089-001	7.042-002	1.352-001
THK	3 5.5	INCHES	MILS	.000	1.503-001	2.731-001	2.210-001	1.963-001	8.870-002	1.719-001
THK	3 7.0	INCHES	MILS	.000	1.479-001	2.456-001	1.783-001	1.815-001	1.475-001	1.202-001
THK	3 8.5	INCHES	MILS	.000	9.469-002	2.211-001	1.530-001	1.448-001	1.559-001	9.661-002
THK	3 10.125	INCHES	MILS	.000	5.257-002	1.616-001	9.948-002	8.555-002	1.372-001	7.137-002
THK	3 12.625	INCHES	MILS	.000	7.711-002	1.780-001	1.130-001	6.407-002	1.459-001	6.781-002
THK	3 15.0	INCHES	MILS	.000	8.055-003	1.033-001	8.638-002	3.992-002	1.030-001	3.636-002
THK	3 17.125	INCHES	MILS	.000	-1.006-002	8.976-002	7.606-002	1.397-002	1.107-001	2.709-002
THK	3 20.0	INCHES	MILS	.000	-4.125-002	7.594-002	5.329-002	-1.244-001	1.054-001	5.445-003
THK	3 22.625	INCHES	MILS	.000	-6.531-002	5.792-002	5.186-002	-4.262-002	1.126-001	5.324-003
THK	3 25.25	INCHES	MILS	.000	-9.506-002	6.722-002	3.718-002	-5.824-002	9.976-002	-7.005-002
THK	3 28.75	INCHES	MILS	.000	-1.136-001	7.246-002	2.890-002	-7.796-002	1.133-001	-9.087-002
THK	3 32.5	INCHES	MILS	.000	-1.118-001	7.674-002	3.494-002	-7.363-002	1.345-001	-8.427-002
THK	3 36.0	INCHES	MILS	.000	-1.406-001	6.178-002	2.078-002	-8.057-002	1.099-001	-9.617-002
THK	3 39.5	INCHES	MILS	.000	-1.567-001	4.682-002	-5.647-003	-1.160-001	8.541-002	-1.243-001
THK	3 43.0	INCHES	MILS	.000	-1.728-001	5.681-002	4.729-003	-1.309-001	8.464-002	-1.382-001
THK	3 46.75	INCHES	MILS	.000	-1.999-001	4.604-002	8.811-003	-1.416-001	1.050-001	-1.333-001
THK	3 49.5	INCHES	MILS	.000	-1.898-001	5.362-002	1.457-002	-1.341-001	1.074-001	-1.201-001
THK	3 53.25	INCHES	MILS	.000	-1.552-001	5.747-002	1.472-002	-1.179-001	1.244-001	-1.170-001
THK	3 57.0	INCHES	MILS	.000	-1.451-001	7.466-002	1.551-002	-8.032-002	1.178-001	-1.174-001
THK	3 60.25	INCHES	MILS	.000	-1.418-001	8.668-002	3.692-002	-7.636-002	1.335-001	-8.483-002
THK	3 64.125	INCHES	MILS	.000	-1.293-001	2.553-001	5.129-002	-4.511-002	1.394-001	-9.631-002
THK	3 67.375	INCHES	MILS	.000	-9.346-002	2.381-001	6.944-002	-2.496-002	1.655-001	-4.222-002
THK	3 71.0	INCHES	MILS	.000	-8.918-002	2.729-001	7.415-002	-2.769-002	1.487-001	-8.796-002
THK	3 74.125	INCHES	MILS	.000	-6.551-002	3.147-001	1.076-001	1.426-002	1.899-001	-4.097-002
THK	3 78.0	INCHES	MILS	.000	-9.230-002	2.822-001	1.169-001	3.171-002	1.955-001	5.511-002
THK	3 81.5	INCHES	MILS	.000	-1.942-001	3.600-001	7.292-002	8.467-002	2.282-001	1.585-001
THK	3 85.0	INCHES	MILS	.000	-1.124-001	4.255-001	2.922-001	3.622-001	4.551-001	5.743-001
THK	3 88.5	INCHES	MILS	.000	-1.121-001	5.064-001	4.373-001	5.804-001	6.988-001	8.786-001
THK	3 91.75	INCHES	MILS	.000	-1.274-001	5.390-001	4.799-001	6.503-001	7.843-001	1.042+000
THK	3 95.0	INCHES	MILS	.000	-1.116-001	6.182-001	6.047-001	8.170-001	1.020+000	1.304+000

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 29 OCTOBER 11, 1962

TIME	MIN	.000	3.000+001	6.000+001	9.000+001	1.200+002	1.500+002	1.800+002	2.100+002
THALL	3	1.125 INCHES	3.960+002	3.810+002	3.730+002	3.780+002	3.750+002	3.790+002	7.200+001
THALL	3	2.5 INCHES	4.320+002	4.190+002	4.090+002	4.140+002	4.110+002	4.170+002	7.400+001
THALL	3	4.125 INCHES	4.170+002	4.050+002	3.980+002	4.020+002	3.990+002	4.050+002	7.500+001
THALL	3	5.5 INCHES	4.070+002	3.960+002	3.890+002	3.940+002	3.910+002	3.960+002	7.400+001
THALL	3	7.0 INCHES	3.930+002	3.830+002	3.770+002	3.830+002	3.800+002	3.870+002	7.500+001
THALL	3	8.5 INCHES	3.880+002	3.780+002	3.730+002	3.790+002	3.760+002	3.830+002	7.500+001
THALL	3	10.125 INCHES	3.790+002	3.730+002	3.680+002	3.740+002	3.710+002	3.780+002	7.500+001
THALL	3	12.625 INCHES	3.670+002	3.600+002	3.540+002	3.610+002	3.580+002	3.660+002	7.500+001
THALL	3	15.0 INCHES	3.930+002	3.860+002	3.800+002	3.860+002	3.830+002	3.910+002	7.600+001
THALL	3	17.125 INCHES	3.960+002	3.900+002	3.930+002	3.890+002	3.860+002	3.940+002	7.700+001
THALL	3	20.0 INCHES	4.060+002	3.970+002	4.010+002	3.990+002	3.950+002	4.060+002	7.900+001
THALL	3	22.625 INCHES	4.180+002	4.090+002	4.150+002	4.120+002	4.080+002	4.190+002	8.000+001
THALL	3	25.25 INCHES	4.250+002	4.170+002	4.220+002	4.190+002	4.150+002	4.270+002	8.100+001
THALL	3	28.75 INCHES	4.420+002	4.310+002	4.400+002	4.360+002	4.320+002	4.390+002	8.500+001
THALL	3	32.5 INCHES	4.630+002	4.510+002	4.600+002	4.550+002	4.510+002	4.590+002	8.600+001
THALL	3	36.0 INCHES	4.810+002	4.700+002	4.810+002	4.760+002	4.790+002	4.970+002	8.900+001
THALL	3	39.5 INCHES	5.000+002	4.880+002	4.970+002	4.960+002	4.890+002	4.970+002	8.800+001
THALL	3	43.0 INCHES	5.180+002	5.060+002	5.150+002	5.140+002	5.060+002	5.020+002	9.000+001
THALL	3	46.75 INCHES	5.360+002	5.230+002	5.330+002	5.310+002	5.230+002	5.200+002	9.500+001
THALL	3	49.5 INCHES	5.440+002	5.310+002	5.410+002	5.390+002	5.310+002	5.270+002	9.400+001
THALL	3	53.25 INCHES	5.600+002	5.470+002	5.530+002	5.550+002	5.480+002	5.450+002	9.900+001
THALL	3	57.0 INCHES	5.830+002	5.690+002	5.750+002	5.780+002	5.690+002	5.650+002	9.900+001
THALL	3	60.25 INCHES	5.980+002	5.830+002	5.900+002	5.940+002	5.870+002	5.810+002	1.000+002
THALL	3	64.125 INCHES	6.130+002	6.000+002	6.070+002	6.130+002	6.070+002	6.030+002	1.090+002
THALL	3	67.375 INCHES	6.160+002	6.090+002	6.190+002	6.220+002	6.190+002	6.170+002	1.150+002
THALL	3	71.0 INCHES	6.540+002	6.390+002	6.470+002	6.570+002	6.470+002	6.410+002	1.050+002
THALL	3	74.125 INCHES	6.590+002	6.440+002	6.520+002	6.600+002	6.500+002	6.430+002	1.100+002
THALL	3	78.0 INCHES	6.720+002	6.600+002	6.700+002	6.780+002	6.670+002	6.600+002	1.250+002
THALL	3	81.5 INCHES	6.990+002	6.850+002	6.960+002	7.040+002	6.930+002	6.850+002	1.130+002
THALL	3	85.0 INCHES	7.180+002	7.040+002	7.120+002	7.210+002	7.090+002	7.010+002	1.140+002
THALL	3	88.5 INCHES	7.170+002	7.200+002	7.250+002	7.420+002	7.320+002	7.260+002	9.900+001
THALL	3	91.75 INCHES	7.520+002	7.410+002	7.490+002	7.820+002	7.850+002	7.920+002	9.300+001
THALL	3	95.0 INCHES	7.660+002	7.820+002	8.160+002	8.690+002	9.040+002	9.420+002	8.100+001
FUEL PPES	3	0.0 INCHES PSIG	4.929+002	5.065+002	5.348+002	5.455+002	5.499+002	5.610+002	6.678+001
FUEL PPES	3	24.0 INCHES PSIG	4.720+002	4.860+002	5.143+002	5.265+002	5.310+002	5.418+002	5.229+001
FUEL PPES	3	48.0 INCHES PSIG	4.564+002	4.708+002	4.996+002	5.122+002	5.169+002	5.283+002	4.012+001
FUEL PPES	3	72.0 INCHES PSIG	4.426+002	4.574+002	4.860+002	4.992+002	5.044+002	5.158+002	2.171+001
FUEL PPES	3	96.0 INCHES PSIG	3.611+002	3.630+002	3.663+002	3.678+002	3.644+002	3.665+002	1.203+001
FUEL INLET TEMP	3	INCHES DEG F	5.700+001	5.800+001	6.000+001	6.100+001	6.300+001	6.700+001	6.700+001
FUEL TEMP	3	24.0 INCHES DEG F	2.700+002	2.720+002	2.730+002	2.740+002	2.770+002	2.790+002	8.300+001
FUEL TEMP	3	48.0 INCHES DEG F	4.160+002	4.180+002	4.210+002	4.230+002	4.260+002	4.280+002	9.500+001
FUEL TEMP	3	72.0 INCHES DEG F	5.410+002	5.440+002	5.460+002	5.480+002	5.530+002	5.570+002	1.040+002
FUEL TEMP	3	96.0 INCHES DEG F	6.710+002	6.670+002	6.690+002	6.740+002	6.770+002	6.850+002	2.200+002
FLOW RATE	3	LB/HR	1.135+002	1.130+002	1.111+002	1.093+002	1.075+002	1.074+002	1.146+001
CURRENT	3	AMPS	1.459+002	1.433+002	1.422+002	1.418+002	1.408+002	1.428+002	-4.367+001
VOLTAGE	3	VOLTS	7.909+001	7.774+001	7.710+001	7.755+001	7.674+001	7.778+001	4.705+000
POWER	3	BTU/SEC	1.093+001	1.056+001	1.039+001	1.043+001	1.024+001	1.053+001	-1.848+003
FUEL	3	BTU/GC-SOFT	6.142+001	5.931+001	5.837+001	5.863+001	5.763+001	5.914+001	1.000+000

TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 29 OCTOBER 11, 1962

TIME MIN	.000	3.000+001	6.000+001	9.000+001	1.200+002	1.500+002	1.800+002	2.100+002
REYNOLDS NUMBER 3 0.0 INCHES	3.590+003	3.579+003	3.502+003	3.520+003	3.450+003	3.407+003	3.403+003	3.633+002
REYNOLDS NUMBER 3 12.0 INCHES	1.000+004	1.003+004	9.012+003	9.063+003	9.668+003	9.546+003	9.534+003	1.016+003
REYNOLDS NUMBER 3 36.0 INCHES	2.516+004	2.503+004	2.449+004	2.461+004	2.412+004	2.362+004	2.379+004	2.540+003
REYNOLDS NUMBER 3 60.0 INCHES	3.940+004	3.928+004	3.843+004	3.863+004	3.766+004	3.739+004	3.734+004	3.987+003
REYNOLDS NUMBER 3 84.0 INCHES	5.099+004	5.086+004	5.741+004	5.771+004	5.657+004	5.586+004	5.578+004	5.956+003
FRICTION FACTOR 3 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR 3 12.0 INCHES	1.300+002	1.296+002	1.333+002	1.338+002	1.293+002	1.320+002	1.345+002	0.690+001
FRICTION FACTOR 3 36.0 INCHES	0.839+003	0.711+003	0.793+003	0.730+003	0.854+003	0.908+003	0.541+003	0.792+001
FRICTION FACTOR 3 60.0 INCHES	7.808+003	7.068+003	7.226+003	7.419+003	7.399+003	7.332+003	7.345+003	9.434+001
FRICTION FACTOR 3 84.0 INCHES	3.011+002	4.459+002	5.216+002	5.048+002	6.680+002	7.297+002	7.004+002	9.898+001
U 3 1.125 IN. BTU/FT2-SEC-F	1.856+001	1.908+001	1.884+001	1.896+001	1.872+001	1.856+001	1.884+001	-1.581+003
U 3 2.5 IN. BTU/FT2-SEC-F	1.732+001	1.736+001	1.737+001	1.760+001	1.740+001	1.724+001	1.741+001	3.222+003
U 3 4.125 IN. BTU/FT2-SEC-F	1.690+001	1.895+001	1.895+001	1.907+001	1.889+001	1.873+001	1.889+001	6.453+004
U 3 5.5 IN. BTU/FT2-SEC-F	2.029+001	2.033+001	2.040+001	2.057+001	2.022+001	2.006+001	2.027+001	3.614+004
U 3 7.0 IN. BTU/FT2-SEC-F	2.231+001	2.236+001	2.235+001	2.251+001	2.208+001	2.193+001	2.196+001	2.562+004
U 3 8.5 IN. BTU/FT2-SEC-F	2.391+001	2.403+001	2.401+001	2.414+001	2.363+001	2.349+001	2.340+001	1.949+004
U 3 10.125 IN. BTU/FT2-SEC-F	2.633+001	2.621+001	2.618+001	2.626+001	2.566+001	2.553+001	2.546+001	1.547+004
U 3 12.625 IN. BTU/FT2-SEC-F	2.806+001	2.826+001	2.808+001	2.835+001	2.751+001	2.741+001	2.714+001	1.175+004
U 3 15.0 IN. BTU/FT2-SEC-F	3.016+001	3.048+001	3.026+001	3.162+001	2.979+001	2.971+001	2.933+001	9.650+005
U 3 17.125 IN. BTU/FT2-SEC-F	3.274+001	3.303+001	3.277+001	3.162+001	3.243+001	3.239+001	3.153+001	8.325+005
U 3 20.0 IN. BTU/FT2-SEC-F	3.575+001	3.643+001	3.610+001	3.499+001	3.553+001	3.577+001	3.442+001	7.051+005
U 3 22.625 IN. BTU/FT2-SEC-F	3.831+001	3.920+001	3.831+001	3.711+001	3.796+001	3.827+001	3.666+001	6.157+005
U 3 25.25 IN. BTU/FT2-SEC-F	4.167+001	4.255+001	4.179+001	4.043+001	4.142+001	4.187+001	3.959+001	5.565+005
U 3 28.75 IN. BTU/FT2-SEC-F	4.292+001	4.490+001	4.309+001	4.137+001	4.272+001	4.322+001	4.221+001	5.115+005
U 3 32.5 IN. BTU/FT2-SEC-F	4.347+001	4.589+001	4.398+001	4.221+001	4.394+001	4.449+001	4.308+001	4.642+005
U 3 36.0 IN. BTU/FT2-SEC-F	4.451+001	4.670+001	4.441+001	4.230+001	4.404+001	4.494+001	4.340+001	4.307+005
U 3 39.5 IN. BTU/FT2-SEC-F	4.526+001	4.795+001	4.588+001	4.399+001	4.447+001	4.613+001	4.450+001	3.960+005
U 3 43.0 IN. BTU/FT2-SEC-F	4.639+001	4.926+001	4.670+001	4.511+001	4.561+001	4.777+001	5.080+001	3.701+005
U 3 46.75 IN. BTU/FT2-SEC-F	4.814+001	5.176+001	4.894+001	4.685+001	4.777+001	5.019+001	5.299+001	3.491+005
U 3 49.5 IN. BTU/FT2-SEC-F	5.111+001	5.534+001	5.211+001	5.323+001	5.085+001	5.367+001	5.731+001	3.317+005
U 3 53.25 IN. BTU/FT2-SEC-F	5.265+001	5.722+001	5.477+001	5.323+001	5.246+001	5.497+001	5.818+001	3.177+005
U 3 57.0 IN. BTU/FT2-SEC-F	5.113+001	5.589+001	5.355+001	5.206+001	5.088+001	5.420+001	5.791+001	3.007+005
U 3 60.25 IN. BTU/FT2-SEC-F	5.197+001	5.748+001	5.450+001	5.297+001	5.129+001	5.366+001	5.844+001	2.881+005
U 3 64.125 IN. BTU/FT2-SEC-F	5.435+001	5.931+001	5.561+001	5.355+001	5.183+001	5.375+001	5.741+001	2.798+005
U 3 67.375 IN. BTU/FT2-SEC-F	5.199+001	5.641+001	5.067+001	5.832+001	5.574+001	5.635+001	5.909+001	2.722+005
U 3 71.0 IN. BTU/FT2-SEC-F	5.196+001	5.747+001	5.400+001	5.249+001	4.832+001	5.173+001	5.621+001	2.540+005
U 3 74.125 IN. BTU/FT2-SEC-F	5.768+001	6.483+001	6.042+001	5.867+001	5.449+001	5.901+001	6.535+001	2.472+005
U 3 78.0 IN. BTU/FT2-SEC-F	6.236+001	6.857+001	6.297+001	6.049+001	5.605+001	6.152+001	6.837+001	2.439+005
U 3 81.5 IN. BTU/FT2-SEC-F	5.765+001	6.409+001	5.860+001	5.639+001	5.251+001	5.721+001	6.391+001	2.282+005
U 3 85.0 IN. BTU/FT2-SEC-F	5.763+001	6.407+001	5.916+001	5.804+001	5.345+001	5.895+001	6.602+001	2.199+005
U 3 89.5 IN. BTU/FT2-SEC-F	7.071+001	6.618+001	6.289+001	5.979+001	5.247+001	5.660+001	6.184+001	2.059+005
U 3 91.75 IN. BTU/FT2-SEC-F	5.905+001	6.376+001	5.891+001	5.250+001	4.370+001	4.198+001	4.106+001	1.971+005
U 3 95.0 IN. BTU/FT2-SEC-F	6.117+001	5.095+001	3.954+001	3.254+001	2.622+001	2.413+001	2.139+001	1.672+005

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 29 OCTOBER 11, 1962

TIME	MIN	.000	3.000+001	6.000+001	9.000+001	1.200+002	1.500+002	1.800+002	2.100+002			
THK	3	1.125	INCHES	MILS	.000	-5.826-002	-3.147-002	-4.506-002	-1.806-002	2.868-005	-3.176-002	-2.552+002
THK	3	2.5	INCHES	MILS	.000	-5.570-003	-6.338-003	-3.700-002	-1.055-002	1.048-002	-1.227-002	1.218+002
THK	3	4.125	INCHES	MILS	.000	-5.670-003	-5.811-003	-1.965-002	5.699-004	1.830-002	5.829-004	6.177+002
THK	3	5.5	INCHES	MILS	.000	-4.093-003	-1.049-002	-2.724-002	7.156-003	2.235-002	1.734-003	1.105+003
THK	3	7.0	INCHES	MILS	.000	-3.702-003	-2.776-003	-1.601-002	1.895-002	3.110-002	2.865-002	1.560+003
THK	3	8.5	INCHES	MILS	.000	-7.970-003	-6.660-003	-1.543-002	1.993-002	2.992-002	3.078-002	2.051+003
THK	3	10.125	INCHES	MILS	.000	6.807-003	8.568-003	3.968-003	3.979-002	4.734-002	5.191-002	2.583+003
THK	3	12.625	INCHES	MILS	.000	-1.001-002	-1.172-003	-1.463-002	2.839-002	3.403-002	4.829-002	3.402+003
THK	3	15.0	INCHES	MILS	.000	-1.355-002	-4.373-003	4.184-002	1.672-002	2.033-002	3.768-002	4.144+003
THK	3	17.125	INCHES	MILS	.000	-1.052-002	-1.013-003	4.324-002	1.164-002	1.326-002	4.718-002	4.803+003
THK	3	20.0	INCHES	MILS	.000	-2.091-002	-1.104-002	2.418-002	6.650-003	6.500-004	4.322-002	5.672+003
THK	3	22.625	INCHES	MILS	.000	-2.358-002	-6.843-006	3.397-002	9.830-003	1.221-003	4.708-002	6.495+003
THK	3	25.25	INCHES	MILS	.000	-1.982-002	-2.715-003	2.957-002	5.735-003	-4.482-003	5.060-002	7.187+003
THK	3	28.75	INCHES	MILS	.000	-4.105-002	-3.615-003	3.496-002	4.375-003	-6.376-003	1.570-002	7.819+003
THK	3	32.5	INCHES	MILS	.000	-4.821-002	-1.072-002	2.750-002	-9.658-003	-2.108-002	8.479-003	8.617+003
THK	3	36.0	INCHES	MILS	.000	-4.223-002	2.037-003	4.693-002	9.586-003	-8.629-003	2.118-002	9.286+003
THK	3	39.5	INCHES	MILS	.000	-4.951-002	-1.189-002	2.560-002	1.569-002	-1.659-002	1.384-002	1.010+004
THK	3	43.0	INCHES	MILS	.000	-5.027-002	-5.855-003	2.448-002	1.465-002	-2.500-002	-7.492-002	1.081+004
THK	3	46.75	INCHES	MILS	.000	-5.813-002	-1.359-002	2.284-002	6.292-003	-3.408-002	-7.613-002	1.146+004
THK	3	49.5	INCHES	MILS	.000	-5.984-002	-1.514-002	2.032-002	3.942-003	-3.735-002	-8.476-002	1.206+004
THK	3	53.25	INCHES	MILS	.000	-6.066-002	-2.932-002	-8.292-003	2.623-003	-3.196-002	-7.212-002	1.259+004
THK	3	57.0	INCHES	MILS	.000	-6.660-002	-3.532-002	-1.396-002	3.922-003	-4.433-002	-9.154-002	1.330+004
THK	3	60.25	INCHES	MILS	.000	-7.379-002	-3.572-002	-1.462-002	1.014-002	-2.432-002	-8.526-002	1.389+004
THK	3	64.125	INCHES	MILS	.000	-6.150-002	-1.664-002	1.103-002	3.581-002	6.158-003	-3.921-002	1.429+004
THK	3	67.375	INCHES	MILS	.000	-2.427-002	1.405-002	4.055-002	7.238-002	6.459-002	3.168-002	1.469+004
THK	3	71.0	INCHES	MILS	.000	-7.379-002	-2.900-002	-7.764-003	5.795-002	3.497-003	-5.820-002	1.575+004
THK	3	74.125	INCHES	MILS	.000	-7.650-002	-3.145-002	-1.175-002	4.058-002	-1.558-002	-8.144-002	1.618+004
THK	3	78.0	INCHES	MILS	.000	-5.812-002	-6.242-003	1.979-002	7.219-002	8.706-003	-5.639-002	1.640+004
THK	3	81.5	INCHES	MILS	.000	-6.975-002	-1.128-002	1.568-002	6.791-002	5.301-003	-6.790-002	1.753+004
THK	3	85.0	INCHES	MILS	.000	-6.974-002	-1.799-002	-4.865-003	5.426-002	-1.554-002	-6.818-002	1.819+004
THK	3	88.5	INCHES	MILS	.000	4.029-002	7.193-002	1.048-001	1.982-001	1.425-001	8.266-002	1.943+004
THK	3	91.75	INCHES	MILS	.000	-5.010-002	1.637-003	6.334-002	2.378-001	2.754-001	2.967-001	2.029+004
THK	3	95.0	INCHES	MILS	.000	1.311-001	3.571-001	5.755-001	8.718-001	1.004+000	1.216+000	2.137+004

TABLE 1

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 30 OCTOBER 13, 1962

TIME	MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THALL	3	1.125 INCHES	DEG F	8.400+001	5.510+002	5.350+002	5.650+002	5.350+002	5.340+002
THALL	3	2.5 INCHES	DEG F	6.860+002	6.720+002	6.550+002	6.860+002	6.420+002	6.490+002
THALL	3	4.125 INCHES	DEG F	7.640+002	7.630+002	7.270+002	7.560+002	7.180+002	6.980+002
THALL	3	5.5 INCHES	DEG F	7.430+002	7.290+002	6.960+002	7.210+002	6.590+002	6.620+002
THALL	3	7.0 INCHES	DEG F	6.530+002	6.330+002	6.040+002	6.200+002	5.900+002	5.640+002
THALL	3	8.5 INCHES	DEG F	5.800+002	5.800+002	5.510+002	5.730+002	5.440+002	5.340+002
THALL	3	10.000 INCHES	DEG F	5.520+002	5.570+002	5.310+002	5.530+002	5.260+002	5.180+002
THALL	3	11.500 INCHES	DEG F	5.430+002	5.500+002	5.240+002	5.480+002	5.150+002	5.160+002
THALL	3	13.0 INCHES	DEG F	5.420+002	5.510+002	5.180+002	5.370+002	5.210+002	5.170+002
THALL	3	14.500 INCHES	DEG F	5.430+002	5.510+002	5.210+002	5.430+002	5.240+002	5.230+002
THALL	3	17.5 INCHES	DEG F	5.450+002	5.540+002	5.240+002	5.450+002	5.240+002	5.270+002
THALL	3	19.500 INCHES	DEG F	5.650+002	5.750+002	5.420+002	5.640+002	5.450+002	5.450+002
THALL	3	21.50 INCHES	DEG F	5.750+002	5.830+002	5.520+002	5.750+002	5.560+002	5.560+002
THALL	3	25.5 INCHES	DEG F	5.860+002	5.940+002	5.630+002	5.870+002	5.680+002	5.680+002
THALL	3	27.5 INCHES	DEG F	6.150+002	6.240+002	5.890+002	6.130+002	5.940+002	5.790+002
THALL	3	29.5 INCHES	DEG F	6.280+002	6.370+002	6.030+002	6.270+002	6.080+002	6.170+002
THALL	3	31.0 INCHES	DEG F	6.330+002	6.420+002	6.020+002	6.320+002	6.140+002	6.210+002
THALL	3	34.00 INCHES	DEG F	6.490+002	6.580+002	6.160+002	6.460+002	6.240+002	6.390+002
THALL	3	36.0 INCHES	DEG F	6.630+002	6.730+002	6.290+002	6.520+002	6.380+002	6.530+002
THALL	3	38.00 INCHES	DEG F	6.690+002	6.800+002	6.370+002	6.600+002	6.460+002	6.610+002
THALL	3	40.0 INCHES	DEG F	6.900+002	7.000+002	6.580+002	6.820+002	6.670+002	6.780+002
THALL	3	42.00 INCHES	DEG F	7.070+002	7.170+002	6.770+002	7.000+002	6.840+002	6.920+002
THALL	3	44.000 INCHES	DEG F	7.180+002	7.170+002	6.900+002	7.060+002	6.940+002	7.100+002
THALL	3	46.000 INCHES	DEG F	7.330+002	7.410+002	7.060+002	7.210+002	7.100+002	7.320+002
THALL	3	47.5 INCHES	DEG F	7.340+002	7.470+002	7.110+002	7.310+002	7.190+002	7.510+002
FUEL PRES	3	0.0 INCHES	PSIG	4.049+002	4.023+002	4.048+002	4.070+002	4.098+002	4.058+002
FUEL PRES	3	16.0 INCHES	PSIG	3.996+002	3.968+002	3.989+002	4.014+002	4.042+002	3.999+002
FUEL PRES	3	32.0 INCHES	PSIG	3.967+002	3.939+002	3.959+002	3.987+002	4.015+002	3.975+002
FUEL PRES	3	48.0 INCHES	PSIG	3.924+002	3.891+002	3.915+002	3.945+002	3.978+002	3.938+002
FUEL INLET TEMP			DEG F	6.400+001	6.800+001	7.100+001	7.400+001	7.700+001	8.300+001
FUEL TEMP	3	16.0 INCHES	DEG F	3.110+002	3.110+002	3.010+002	3.170+002	3.190+002	3.170+002
FUEL TEMP	3	32.0 INCHES	DEG F	4.720+002	4.700+002	4.550+002	4.780+002	4.780+002	4.810+002
FUEL TEMP	3	48.0 INCHES	DEG F	5.960+002	5.940+002	5.850+002	6.150+002	5.860+002	5.930+002
FLOW RATE		LB/HR		5.945+001	6.019+001	6.019+001	5.946+001	6.050+001	6.034+001
CURRENT		AMPS		1.365+002	1.348+002	1.345+002	1.360+002	1.353+002	1.302+002
VOLTAGE		VOLTS		3.704+001	3.706+001	3.705+001	3.751+001	3.550+001	3.511+001
POWER		BTU/SEC		4.792+000	4.737+000	4.723+000	4.837+000	4.276+000	4.333+000
FLUX		BTU/SEC-SQFT		5.384+001	5.322+001	5.307+001	5.434+001	4.937+001	4.868+001

RD-A137 405

HEAT TRANSFER AND THERMAL STABILITY OF ALTERNATIVE
AIRCRAFT FUELS VOLUME 2. (U) PRATT AND WHITNEY AIRCRAFT
GROUP WEST PALM BEACH FL GOVERNMENT.

2/2

UNCLASSIFIED

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TABLE 2

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 30 OCTOBER 13, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
REYNOLDS NUMBER 3 0.0 INCHES	2.050+003	2.076+003	2.076+003	2.051+003	2.040+003	2.037+003	2.000+003	2.001+003
REYNOLDS NUMBER 3 0.0 INCHES	6.249+003	6.328+003	6.328+003	6.251+003	6.217+003	6.360+003	6.340+003	6.344+003
REYNOLDS NUMBER 3 24.0 INCHES	1.557+004	1.577+004	1.577+004	1.557+004	1.549+004	1.505+004	1.500+004	1.501+004
REYNOLDS NUMBER 3 40.0 INCHES	2.463+004	2.493+004	2.493+004	2.463+004	2.450+004	2.506+004	2.498+004	2.500+004
FRICTION FACTOR 3 0.0 INCHES	.000	.000	.000	.000	.000	.000	.000	.000
FRICTION FACTOR 3 0.0 INCHES	1.709+002	1.086+002	1.933+002	1.869+002	1.935+002	1.085+002	1.907+002	1.925+002
FRICTION FACTOR 3 24.0 INCHES	8.761+003	8.557+003	8.506+003	8.378+003	8.155+003	8.026+003	7.940+003	7.960+003
FRICTION FACTOR 3 40.0 INCHES	1.196+002	1.270+002	1.204+002	1.148+002	1.035+002	1.001+002	9.067+003	9.020+003
U 3 1.125 IN. BTU/FT2-SEC-F	2.045+001	1.133+001	1.170+001	1.124+001	1.088+001	1.095+001	1.065+001	1.076+001
U 3 2.5 IN. BTU/FT2-SEC-F	9.220+002	9.346+002	9.607+002	9.282+002	9.152+002	9.160+002	8.006+002	8.008+002
U 3 4.125 IN. BTU/FT2-SEC-F	0.460+002	0.377+002	0.655+002	0.648+002	0.363+002	0.527+002	0.334+002	0.536+002
U 3 5.5 IN. BTU/FT2-SEC-F	9.062+002	9.174+002	9.701+002	9.498+002	8.690+002	9.417+002	9.269+002	9.488+002
U 3 7.0 IN. BTU/FT2-SEC-F	1.119+001	1.155+001	1.229+001	1.213+001	1.101+001	1.207+001	1.185+001	1.242+001
U 3 8.5 IN. BTU/FT2-SEC-F	1.399+001	1.383+001	1.492+001	1.438+001	1.415+001	1.414+001	1.372+001	1.437+001
U 3 10.000 IN. BTU/FT2-SEC-F	1.614+001	1.572+001	1.698+001	1.624+001	1.605+001	1.517+001	1.544+001	1.625+001
U 3 11.500 IN. BTU/FT2-SEC-F	1.706+001	1.725+001	1.879+001	1.773+001	1.760+001	1.756+001	1.703+001	1.774+001
U 3 13.0 IN. BTU/FT2-SEC-F	1.941+001	1.859+001	2.095+001	1.995+001	1.926+001	1.911+001	1.855+001	1.929+001
U 3 14.500 IN. BTU/FT2-SEC-F	2.110+001	2.022+001	2.276+001	2.130+001	2.090+001	2.060+001	1.995+001	2.070+001
U 3 17.5 IN. BTU/FT2-SEC-F	2.459+001	2.335+001	2.682+001	2.482+001	2.445+001	2.427+001	2.325+001	2.423+001
U 3 19.500 IN. BTU/FT2-SEC-F	2.461+001	2.326+001	2.711+001	2.495+001	2.483+001	2.459+001	2.338+001	2.449+001
U 3 21.50 IN. BTU/FT2-SEC-F	2.580+001	2.456+001	2.859+001	2.604+001	2.603+001	2.573+001	2.459+001	2.567+001
U 3 23.50 IN. BTU/FT2-SEC-F	2.698+001	2.564+001	3.006+001	2.710+001	2.719+001	2.721+001	2.566+001	2.682+001
U 3 25.5 IN. BTU/FT2-SEC-F	2.798+001	2.656+001	3.170+001	2.839+001	2.863+001	2.835+001	2.682+001	2.824+001
U 3 27.5 IN. BTU/FT2-SEC-F	2.859+001	2.698+001	3.370+001	2.917+001	2.951+001	2.906+001	2.745+001	2.777+001
U 3 29.5 IN. BTU/FT2-SEC-F	2.972+001	2.799+001	3.399+001	3.016+001	3.063+001	3.016+001	2.844+001	2.861+001
U 3 31.0 IN. BTU/FT2-SEC-F	3.147+001	2.956+001	3.633+001	3.195+001	3.246+001	3.244+001	2.969+001	3.061+001
U 3 34.00 IN. BTU/FT2-SEC-F	3.333+001	3.121+001	4.130+001	3.428+001	3.617+001	3.493+001	3.155+001	3.213+001
U 3 36.0 IN. BTU/FT2-SEC-F	3.365+001	3.131+001	4.212+001	3.647+001	3.657+001	3.506+001	3.145+001	3.245+001
U 3 38.00 IN. BTU/FT2-SEC-F	3.577+001	3.295+001	4.479+001	3.840+001	3.872+001	3.571+001	3.330+001	3.416+001
U 3 40.0 IN. BTU/FT2-SEC-F	3.451+001	3.206+001	4.280+001	3.671+001	3.712+001	3.401+001	3.273+001	3.381+001
U 3 42.00 IN. BTU/FT2-SEC-F	3.418+001	3.177+001	4.162+001	3.610+001	3.670+001	3.468+001	3.284+001	3.416+001
U 3 44.000 IN. BTU/FT2-SEC-F	3.519+001	3.501+001	4.246+001	3.854+001	3.827+001	3.505+001	3.341+001	3.357+001
U 3 46.000 IN. BTU/FT2-SEC-F	3.530+001	3.316+001	4.229+001	3.867+001	3.812+001	3.468+001	3.176+001	3.151+001
U 3 47.5 IN. BTU/FT2-SEC-F	3.795+001	3.436+001	4.464+001	3.913+001	3.691+001	3.501+001	3.232+001	3.064+001

TABLE 3

NAVY FUEL DEPOSIT TEST PROGRAM
RUN 30 OCTOBER 13, 1962

TIME MIN	.000	4.500+001	9.000+001	1.350+002	1.800+002	2.250+002	2.700+002	3.000+002
THK @ 1.125 INCHES	MILS	3.510+000	3.399+000	3.541+000	3.654+000	3.633+000	3.735+000	3.700+000
THK @ 2.5 INCHES	MILS	-5.501-002	-1.712-001	-2.528-002	3.506-002	3.228-002	2.078-001	1.054-001
THK @ 4.125 INCHES	MILS	4.725-002	-2.100-001	-1.025-001	5.524-002	-3.682-002	7.167-002	-4.180-002
THK @ 5.5 INCHES	MILS	-5.409-002	-2.907-001	-1.089-001	1.089-001	-1.663-001	-9.065-002	-1.983-001
THK @ 7.0 INCHES	MILS	-1.089-001	-3.179-001	-2.759-001	-1.070-001	-2.595-001	-1.986-001	-3.530-001
THK @ 8.5 INCHES	MILS	3.312-002	-1.774-001	-7.7-2-002	-3.291-002	-2.940-002	5.728-002	-7.532-002
THK @ 10.000 INCHES	MILS	6.629-002	-1.226-001	-1.552-002	1.371-002	1.579-001	1.119-001	-1.695-002
THK @ 11.500 INCHES	MILS	7.856-002	-1.110-001	1.614-002	3.260-002	3.740-002	1.084-001	1.527-002
THK @ 13.0 INCHES	MILS	9.151-002	-1.512-001	-5.582-002	1.638-002	3.237-002	9.535-002	1.270-002
THK @ 14.500 INCHES	MILS	8.209-002	-1.395-001	-1.750-002	1.766-002	4.500-002	1.090-001	3.636-002
THK @ 17.5 INCHES	MILS	8.649-002	-1.349-001	-1.501-002	9.482-003	2.159-002	9.364-002	2.428-002
THK @ 19.500 INCHES	MILS	9.399-002	-1.500-001	-2.236-002	-1.491-002	2.146-002	8.521-002	7.750-003
THK @ 21.50 INCHES	MILS	7.809-002	-1.510-001	-1.431-002	-1.362-002	4.062-003	7.627-002	8.003-003
THK @ 23.50 INCHES	MILS	7.730-002	-1.520-001	-6.320-003	-1.165-002	-1.246-002	7.052-002	9.042-003
THK @ 25.5 INCHES	MILS	7.659-002	-1.670-001	-2.055-002	-3.265-002	-1.895-002	6.191-002	-1.300-002
THK @ 27.5 INCHES	MILS	8.385-002	-1.758-001	-2.763-002	-6.353-002	-2.255-002	5.827-002	4.128-002
THK @ 29.5 INCHES	MILS	8.324-002	-1.690-001	-1.978-002	-6.021-002	-2.062-002	6.028-002	5.211-002
THK @ 31.0 INCHES	MILS	8.237-002	-1.701-001	-1.909-002	-3.690-002	-3.801-002	7.631-002	3.595-002
THK @ 34.00 INCHES	MILS	8.155-002	-2.314-001	-3.316-002	-9.395-003	-5.492-002	6.786-002	4.486-002
THK @ 36.0 INCHES	MILS	8.093-002	-2.391-001	-9.175-002	-9.496-002	-4.793-002	8.316-002	4.368-002
THK @ 38.00 INCHES	MILS	9.563-002	-2.251-001	-7.657-002	-8.514-002	1.832-003	8.308-002	5.264-002
THK @ 40.0 INCHES	MILS	8.059-002	-2.245-001	-6.959-002	-8.143-002	-9.086-003	6.300-002	2.410-002
THK @ 42.00 INCHES	MILS	8.072-002	-2.093-001	-6.233-002	-6.043-002	-1.687-002	4.770-002	6.321-004
THK @ 44.000 INCHES	MILS	5.652-003	-1.947-001	-9.883-002	-9.156-002	-2.091-002	6.035-002	5.461-002
THK @ 46.000 INCHES	MILS	7.325-002	-1.672-001	-9.080-002	-8.380-002	2.028-002	1.264-001	1.364-001
THK @ 47.5 INCHES	MILS	1.099-001	-1.582-001	-3.181-002	-2.612-002	6.904-002	1.835-001	2.513-001

END

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